

tccatgtatc tgcttcattg ccttgcggtt tggttctgct gaaagtttat tccaataaac 420
 acaccgattt aatcctacat ctacacttgt tattggattt ctatgggtca aatttatcca 480
 tataact 486

<210> 1174
 <211> 615
 <212> DNA
 <213> Glycine max

<400> 1174
 gaaagataga acagccaaaa agactgacaa actgacatga ataatgtact attggtgtaa 60
 gcttttcaag gaatcaccgc atcctgatga aaagnagagg caacaactca gcaaccaact 120
 tggccttgct ccaaagcaag ttaagttttg gttccaaaat cgtcgaaccc aatcaagggt 180
 atctaaattt atttacctaa atattactca agaatatatg caaacttaat ttatttaatt 240
 agaaattatg taagcattat gcaatattat tgccttttgc aggcaatata agagcgccat 300
 gaaaattcat tgttgaagac agaattagac agacttaggg aggaaaataa ggccatgaga 360
 gagaccataa acaaattcttg ttgcccgaat tgtggcatgg taacggctac catagatgct 420
 tccatgtcca ctgaagaaaa acaacttctt attgaaaatg ccaaactcaa agccgaggta 480
 ataaatttgt ataaaactaa atctaaatac aaggaacatg aaactttaaa aaaagaaaat 540
 gtattaatgc tagaataatg gtggatctat gtgtcaaagt acaaactaca atcttaatga 600
 aaagattccc taata 615

<210> 1175
 <211> 684
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1175

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 cccactaaac ttgtggtata cacaatcatc aactgcattt gcctcaaac catatgaggt 120
 aatgacttga tggaaacttgt aataccattg acgggaacct tgcttcaaac catagatgga 180
 cttatttagt ttgcaaacca tagactttga gtcacctgat acaaagtttt ctggttgcat 240
 catataaatt gtttcttcaa tgtcaccatt tagaaacata gtcttaacat ccatttgatg 300

tagctctaaa tcataatgag ctaccagtgt cattattggt ctaaaagaat cctttgaaga 360
 tattggagaa aagggttctt tatagtcaat gccttcttt tgggtaaatc cttaggcgag 420
 ccttatatct ctcaacattg ccctttgaat cccttttgat tntaaatata catttgtaac 480
 caataggttt cacactttta ggcaattcga cgagatccca aacgtcattg tcttgatatag 540
 atttcatctc atctttcatg gcattgatcc aattttgaga gttagaacta cgcattgactt 600
 gtgataactg ctaaaataatt gtgaataaat gtagaaaatt agccaaattt ttgctttaaa 660
 atattattta gcagttattt gtga 684

<210> 1176
 <211> 506
 <212> DNA
 <213> Glycine max

<400> 1176
 agcttgagct tggctcatta cttgtcatag gtttttttta atgctcggct cggcttatat 60
 aaaagtctgg tttggcccac gagcctatctt aaaagcttgc ttaaagacgt atttgattaa 120
 ttaattattt taaaacctag tgaaatacta actaaaaaaaa gaaacttata aaatataaaa 180
 tttcgtataa ataatgtaca aatccaaaaa taattgataa acaaaatcat attgaattca 240
 agtcgttaaa gcacacagta tatcaaaaga aaataaaaag agcctaatat taaaaaatgt 300
 atggattaca gatgattggt agaaaatgaa ttttattcta cgtgaacagt gtgcatgaac 360
 agtaattaaa actgaaattc taaaatccta aaattattct cctctccgaa aaaaaactcc 420
 ttacctaaaa cttggggggt ggtatataag tccacggtec tcaaacttac aaatttattt 480
 aagttccacc ccttaacgaa atttaa 506

<210> 1177
 <211> 559
 <212> DNA
 <213> Glycine max

<400> 1177
 agcttctaaa ctttgtacaa gaatgaatct ctgataccac ttgttagaca agtggcctca 60
 gatattctaa gaaggggggg ttgaattaag atgtcccaaa ctgtttcccc taattaaaaa 120
 tctatttcac tttttactca agttatgaat tcccttaatg acaatcttct taaatattaa 180

ttcaaagtga gcaacttgaa tatgaatata aagcaatgat aaataaagga gattaagggg 240
 agagaaaatg caaactcagt ttataactgg ttcagccaca cccttggtgc tacgtccagt 300
 cccaagcaa ccgcttgag agttccacta tcttgtaa tctttttaca agttctaaac 360
 acacaaggac aatccttctt ttgtgttttag agatccttta caacaagaga ctacagctct 420
 cttaatccct tatagaatga aaaaaagaaa aagaaccaat ctctctagaa agagatggat 480
 ttacagatt gaccactcaa ataattcctt aatgaattgc catttgaatg gccaacgaat 540
 tctttagaag attaaatga 559

<210> 1178
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 1178
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 aagttattgt cgctgaatt tgcttagagc tttcgtttcc aattttgagc ttctcgatat 120
 attacgagac tcaatctgac atccgagtta aaagttatcg tcgtagaaa ttctcagag 180
 ctttcgttat caattacgag ttactcgata tattatggga ttcattcgga cattcgagta 240
 aaaaattatt gccgtctgat ttgctcaga gattccgtta tcaatttcga ggatctcaat 300
 atatcacagg attcatttcg acatctgagt aaaagttatt gccctttgat ttgctaacag 360
 cttctattc 369

<210> 1179
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1179

ntatgcttgc tctcttattc acacaaaaa aaggagacca aatctaccaa agccaaaatc 60
 tcctacaggt ccaaactcaa aaagacccat tgatctgtga tgattatgag cattaccct 120
 tgatttgatg ggaaatgact tgcaaatcg atttatgacg tgtttgatgat ttggaattga 180
 gagagagacac ttgccagtgt gagattttat acacctttga gtggttttcc tccattttat 240

tgaatctagt gtttcttcta atgtttctgt agaaaagaaa tgcaaatgt cttaatctca 300
 ttcttggtta tgagaaatc tatctttgtg ctttcattcc tcattcgtgg cattatTTTT 360
 gaaaaaaaaa gtgtgttctg atcgggttgg gagtttgatt tctttaccaa gtgtgttcgc 420
 attttaatgg aagttttcac aaactccaat gccttctgtc ttttacattt caaagactgt 480
 aatgtcttca gtcttttaca atttcaaaga c 511

<210> 1180
 <211> 531
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1180

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 aacccaaatt gtetcaaaga caccttttga gctattcaag ggttggaac caagtttgcg 120
 acatatacgc atttggggat gtctgtctga agtaagaatt tataatccac aagagaagaa 180
 actagaccct aagaatatta ctgggtattt cattggatat gctgaaaggt ctaaagggtta 240
 taggttctat tgtccatccc acaacactan gattgtggaa tcaaggaatg caaagtttct 300
 tgaaaatgac ttgatcagta ggagtgatca atttcagaac atttcttctg aaagggatca 360
 ctatgaagct taaccttcta ggacaagtaa taggttggtta gtcattccca cccctcaagt 420
 taaaatgggt gttagacaac cagtgttga agttccacaa gctgttgaaa gtgatcatgt 480
 agatcaagtt gtttgtgagg aacaaaatga tgatattgaa acaactagt a 531

<210> 1181
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1181

tatagagctc tgtagtgggt tgtaaatgga ataacgattt aaacaaatga attaatatat 60
 tcttggactt gannagaaga ttannaaata gtaccatatt ttaatttaag atgcccgaag 120
 cttegacaaa ataccgacaa caatttattt aacgaaaaaa ataagtattt ctattaaaaa 180
 aacttgtttt attcaaatat tatattttat caaaaacaag aaatttggaag aagtaagtaa 240

ttgaatttct ttatccaagc ataaaattct aaaaatgaag caatttattt tattaatcca 300
 agcacacaat tttgaaaatg aaataatttc atatgaagca tttaaaatc tatagaattt 360
 t 361

<210> 1182
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 1182

ggataatgtg agtgtatgta tacatgattt tgatgatgtc aaaagaacaa tcagacgaag 60
 gtgcttcaaa ggataagcat ggcttcaaga ttaatacaag actgattcaa caaacaagc 120
 cttgcttcga gattaactca aagatcaagc cttgccttaa aacaaatagc tttcaagaca 180
 tgcaaggctc tagtaatcga ttaccaggcg ttgtaatcga ttaccacgca gtgtaatcga 240
 ttactagcag acaggggtga aaaatagctg gtgaaaagag ttttacattt gaattttcaa 300
 catgtaatcg attaccatat gtgtgtgac gattaccagc aacgaaactc ttgaaattca 360
 gattccaaag tcatgaccct tcaaattata actgtgtaat ccattacacc aacattgtaa 420
 tcgattacta gtggagagtt ttca 444

<210> 1183
 <211> 494
 <212> DNA
 <213> Glycine max

<400> 1183

agcttgctaa cccatggaag ctectaatat ctcccacact ttttggggtg ggccatttctt 60
 ggatggcctt gatttttctca ggggtccatt ggaccccat tctaccaact acaaaatcta 120
 agaaaactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
 tcctaaggac taaaagaact tgcttgagat gtccctaagt atcatctagg ctcatactat 240
 aactaaaaat atcatcaaaa taaacgacta caaatctacc tatgaaatcc cttaagacat 300
 gatgcataag cctcataaag gtgcttggtg cattagttag cccaaaaggc atcactagtc 360
 attcatacaa accaaaacttg gtcttgaaaa cgggtttcca ttcatacccc tttttcatcc 420
 tgatttggtg ataaccagtt ttaagatcaa ttttttgaaa aatattagca ccatgcaact 480

tatcaagcaa atca

<210> 1184
 <211> 597
 <212> DNA
 <213> Glycine max

<400> 1184

tcattgatgat gaatcaagtt gattcaagta tttttgataa tgacaaagtt gatgacaaaa 60
 atcccaaaga atgattttcaa gattaagtca acaagaagaa atcaagaaga ttcaagaatc 120
 aagtgaagtt tgatttcaag attcaagaaa agatgaattc aagattcaag agaagaaatc 180
 aagaagactt cacaaggga gtattgaaaa gttttttcaa aaaacaaaca tagcacaatt 240
 ttgttttttc aaaagagttt tctcaaaatt ttctaagtta ccagagtttt tactctctgg 300
 taatcgatta ccagttttctt gtaatcgatt accaatggca aagtttgatt tcaaaaagct 360
 ttcaactgaa tttgcaacgt tccaattgat ttcaaatgg tgtaatcaat tacaagatat 420
 tggtaatcga ttaccagtgt atctgaacat tgaaattcaa aatcaattgt gaagagtcatt 480
 atcctttcat aaaaagcttt gtgtaatcga ttgcatggtt ttgggtatcg attaccagtg 540
 acaagtttga ataaaaatca aaggatataa ctctttccat gggttttagt ttttttt 597

<210> 1185
 <211> 590
 <212> DNA
 <213> Glycine max

<400> 1185

tcataaggct atctatgggc taaggcaggc acttagagct tggcatgatg ctctcaaate 60
 atttataaca tcatatgggt tcacaaccag aagaagcaac ccttctctct ttatctacat 120
 ctggggaac ataactgtct attttttggt gtatgttgat gacctcttc tcacaggaaa 180
 taacactaca ttcatagaca cattcattga gttcttatct aatcggttgt cactcaaaaa 240
 catgggggca ccatactact ttatgggtat tgaacttata cccatgaact caagcatggt 300
 cctctcacia cacaaatata tcaaggatgt acttgagaaa ttgagatgc aggatgtgaa 360
 gtcgtcaacc acaccacttg cctcgacgac tacactcatg ttgcatgatg gtacaccaac 420
 caataatgct actcaatata aaagaattat tgggtgcatta caatacctta ccctaacaag 480

acctggcctc tcattctcca tcaacaaact ctcaatatta tgcacaaacc aaccttcctt 540
catcttccac atctcaggcg ccttctcgaa tacttgaagc cactattaac 590

<210> 1186
<211> 424
<212> DNA
<213> Glycine max

<400> 1186

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ccttggtgcc ttgttaagat ttttataatc tatgtacatt ctccatccgg tcattggtgt 120
tgtgccaatt aattcatttt tctcattctt aacaattgtc atgccaccct tcttcagatc 180
cacttgcaat caactaacc atgcactatc caaaattggg taggtcattc tagcttctag 240
aagtttcaaa acctctttcc ttacccttcc cttcatcaca agattcaatc ttctttacga 300
ttgagccact agtttaagat ctctctccat aaaaatttta tgcattgcaac aagaaggatg 360
atgtagctcc atgtagagct tgtatgcatt ggatattctt catcaatgga tttctttggt 420
tctt 424

<210> 1187
<211> 436
<212> DNA
<213> Glycine max

<400> 1187

tctggtggga catcttgact tgctttccaa tctgacattc accacagatt ctgccttctt 60
ctattttgaa actgggaatg cctctaacaa cacctttgtc aatgatattc ttcattgcctc 120
ttaagtgcag atgtgcaaat ctttgatgcc atattttgac ttcattcttct ttggaggatg 180
gacatgtgga ggagtaactg ggttcttgag gcgtccataa gtagcagttg tcctttgatc 240
tgctgccctt cattagaacg tcattcttct catttgccac caaacattct gactatgtga 300
agcttacatt gaatccttca tgacacaact gactgatgct gatcaaattt gcagtcagtc 360
ccttcaccag cagaactttg tttagactag gaactacatc ctggactagc tctaccattg 420
caggatcttt ccttta 436

<210> 1188

<211> 514
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1188

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tcattctaca cctgaaaaag aggatgagat agttgcacaa aaaaaaaagc ttcttaacaa 60
aaattttcat gcaggtggac cttcttctag taattccgac ttacagcagc ctcgatccc 120
tcttccattc ccacctagag cgattccaaa caaaaaaat ggaagaagtg gaaaaggaga 180
tcttggagac cttcagaaaa gtagaagtga acatacctct gctagatgcc atcaagaaga 240
ttccaagata tgccaagttt ctaaaggagt tatgcacca caaaaagaag ctcaagggca 300
algaaggat tagcatgggt agaaatgtgt cagcattgat aggtaaatct gttcctcaca 360
ttcctgagaa atataaggac ctangtactt tctgtatacc ttgcatcatt gggaacatta 420
aatttgagaa tgccatgcta gatctangag catcagttag tgtcatgctt ctgtccattt 480
tcaattcttt atctcttga tcttgcatt ctac 514
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<210> 1189
 <211> 511
 <212> DNA
 <213> Glycine max

<400> 1189

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agctttgaga atgcaaattt agctctattg tctctttggt tgcattcgct gaacctttga 60
tgtattatct gatatgttat cgaagatttt cttgtttact aacttactct ccttttatat 120
ctcaattttt tatgtgtgca cgtgagctga tgagcatgcc aatgactgat tactattggt 180
tgaattttac ttgattgaga tataggaggt gaagatgtcg accccggcaa ggaagagact 240
gatgagggat tttaaaagat tgcaacaaga tctcctgct ggcatcagtg gggctcccca 300
agacaataat attatgcttt ggaatgctgt tatctttggg tgtgtaggag tatataaatc 360
atgaaatttt tgttttctta agagtgtgtt tctcttaact ttgggggttt ggatgattta 420
aggatgata acaatcta atgtgcctttc ttgggtctttt ttccagacc agatgacccc 480
ccttgggatg gaggtacaat tttatctatc t 511
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<210> 1190
 <211> 363

<212> DNA
<213> Glycine max

<400> 1190

agctttgcag tagatgccac tctactctaa atttttgaag gatatgttga caaggaagca 60
catgtacatt catcaggaaa acatcatagt ggaaggaaat tgtagtgctg taatccaaaa 120
gaccttcca cctacgtgca aagatcctgg gagtgttaacc attccttggt caataggaga 180
agtcaatgtg ggaaaggctc tgattgatct gggagccagc attaatgtga tgccactctc 240
tatgtgcaga agactgggag agttggagat tatgccact cgaatgactt tgcaattagc 300
tgaccgctcc attaccaggc cctacggagt gattgaagat gtgttggtca ggggtaaaca 360
ttt 363

<210> 1191
<211> 498
<212> DNA
<213> Glycine max

<400> 1191

agctttgatg tttgtgttga atgcattaaa ggtaaacaga ccaaaagcaa gaaattaggt 60
gcatataagg ctacagggtg cttggaattg atacatacga acatttgtgg gtcatttcat 120
acaccttcat ggaatgggtca acaatatattt atatcattca tggacgatta ctccagatat 180
gcatacttgt ttcttataca tgaaaagtca caatctctat atgtgttcaa agcattttaa 240
gttgaagttg aaaatcaact caacaaaaga atcaagagtg tcaaatttga ccgtgggtgg 300
gaatactatg gtagatatga cagttcaagt gaacaatgcc cagggccttt tgccagggtac 360
ttagaggaat gtggaatcgt cccaccatac accaagtctg ggtcacctta catgaatggt 420
gtgggtgaaa gatgaaacca aattcttaag gatatgggaa aaaatatgaa ttgtcatttt 480
aactgtacca aagtcact 498

<210> 1192
<211> 440
<212> DNA
<213> Glycine max

<400> 1192

agcttttagtt cactacttca agtagtgcac gatatgcttc cagaggaaaa cacgttgctt 60

aaaagttatt atcaagcgaa gaagatactg tgtccgatag gtatggagta tcaaaagatt 120
 catgcttgcc tgaattattg catattgtac agacatgaat ttgaagaatt gtccaaatgc 180
 cctaggtgtg gggatatcacg gtacaaagtc aaggatgatg aggatcatag tagtgatgaa 240
 aactcaaaga agggcccccc cagcaaaggt gttgtggtat ctatcgatcg ttccaaggat 300
 taagcatctt tttgctaatt gagacgacgc taaagacctt acatggcatg caaatgggag 360
 aaactgcatg ggaatgggtc atcatctgat tgattgctcg tagtgcaaga aaatagaacg 420
 tttgtttcgg atttcgggaa 440

<210> 1193
 <211> 621
 <212> DNA
 <213> Glycine max

<400> 1193
 aaatggattt taaaccccca aaattgtaat actaaatatt tattacctat acttaataga 60
 aaatacttat aacactacaa aataaccatt aattggaaga agttgatata atttacacaa 120
 gttttataca caaaagttag tcgtattcac cgactaacac cttttacata acaaaaatat 180
 gtttatgctt tataattttt ttataaaaaa attgcgatta attgcataaa taagtttttt 240
 atctatagga attaaacaca atgccaaagg atttataata ctacatcct gctcaacaaa 300
 aatatgtttt tgatttataa ttttttaca aaaaaaaatt gttattaatt acataaatat 360
 gttgctttat ttacaattga tgatataagc tacccttttt aatccttctt gaattaatta 420
 tgatacacga cacaaactat cttaataatg actcattact tttttaatag taatagaata 480
 aaatggtcga taattatttt tatttaaatt tgtattatta atgacactta gtacccttta 540
 tttataatca attaattgac gtacaaaatt aagtaactat gatacaatta gttgtattca 600
 ataaaaaaat tactcttttt a 621

<210> 1194
 <211> 526
 <212> DNA
 <213> Glycine max

<400> 1194
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acaaaacaat tatgacctct ccagcaacaa atacaatccc ggggtggaaga atcatcccaa 120
 ccttagatgg tcgaattctt cacaacagta gttacaacaa caacaacctt attttcaaaa 180
 tgttgctggc ccaagcagac catacgttgc tccaccaatc cagcagcaac aacaacaaca 240
 gccctagaaa caacaaacag tcgaggcccc tccgcaacct tcccttgaag aacttgtgag 300
 gcaaatgact atgcaaaaaca tgcagtttca acaagagact agagcctcca tttagagctt 360
 aactaatcag atgggacaat tggctacaca gttaaatcaa caacatgttg gatcgagtgg 420
 cctcagaata ttaagaaagg ggggtgaatt aattattcct aaacctttac ccaattaaaa 480
 attactcttt taaggctttt acttatgttg ttaagaaaat atggag 526

<210> 1195
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 1195

tctcgatata ttatgtcccc gaatcagaca tctgtgggaa gagttatgac catttgtatt 60
 tctcgagagc taccgtagtt caatttcgag tatctcgata tactattttc ccaaactgga 120
 tatecttgta ataacttatg accaatcgaa tttctcgaga gcttgtgttg ttaaatttca 180
 agcgtgtcga tatattatgt cctataatca gacatccgag tgaaataata tgactagtcg 240
 attttctcga gagcttgctt tgtccaattt cgagcgtctc gatataattat gttccaaatt 300
 cggacatgcg tgtgaaaaga tatgaccatt ctaatttatc gaggagc 347

<210> 1196
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 1196

agcttttcgag aaattcgaat ggtcattact ttccacacgg atgtctgaat ttgggacgta 60
 atatatcgag aggctccaaa ttgcacaacg aaagtactcg agaaattcga atggtcataa 120
 cttttcacgc ggatgtcaaa atttgggaga taatatatcg agatgctcga aatggaacag 180
 cggaagctct cgagaaattc gaatggatcat aactattcac acagacgtcc gaatttgcga 240
 cataatatat cgagacactc gaaattgaac aacggaagct caccagaaat tcgaatgagc 300

cataactttt cacacggatg tctgattcgc ggacataact catctagacg ctcgaaaatt 360
gaccacggaa gctctcgaaa aaattcaatg ggcattaact tttcaaaccg atgttccgaa 420
ttggggggac taattatttt gaaaccccc aaatttggc ccacggaaa 469

<210> 1197
<211> 371
<212> DNA
<213> Glycine max

<400> 1197
agcttataat atatcgatac gctcgaaatt aaacatcgaa aactctcgga aaattcaaatt 60
agacataact attcacacgg atgtccgatt cgggcgcata atatgtcgag aggctcgaaa 120
ttgaacaacg gatgctcttg ataaattcaa ctggtataac ttttcacacc gatattcgat 180
tcyggcacat aatatgtcga gaagctcaat attgaacaac caaagttctt tagaaaatca 240
aatgggcata acttttcaca cggatgtccg attcaggctt attatatatc gatacgctcg 300
aaattaagca tcggaactct tccgaaaatc aaaagggcgg aaattttcac accgaaattt 360
ccctttgggg c 371

<210> 1198
<211> 494
<212> DNA
<213> Glycine max

<400> 1198
agctttggag tttccaagt ccaattcgtc ttcttcttta gtccagtctt cttctagctt 60
caatccatca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
gacagctttc caggttctgc tatccagtga ttgaggaag gccaccatcc ttgctttcca 180
gtattcatag ttggttccat ccaggattgg tggctgttgc actggctctc cttctttctc 240
catgttcac agaatctatc tccctagatc tcaactcagt atttcgagt cctgctctga 300
taccaattga aattctgata ccaatgacag atgtcgtacc ggatgtcacg acatcacgct 360
tcagaacatg cagattatat ttgactgtat gaacagatta aacaagtaaa taacacaaga 420
gaattgtaac ccagttcggg gcaacctcac ctacatctgg gggctacca gccagggagg 480
aatccacta aaat 494

<210> 1199
 <211> 535
 <212> DNA
 <213> Glycine max

<400> 1199

taataaatct atatatgggt taaaacaagc ctctgtcag tggtagctta agtttcatgg 60
 gataatttct tcatttgatt ttgatgaaaa ccccatggat taatgcata accacaaggt 120
 aagtgggagt aaaatatgtt ttcttgTTTT atatgttgat gatattttac ttgacaccaa 180
 tgatecaggt ttgtacatg aagtgaaca atttcaatct aagaattttg acatgaaaga 240
 tatggatgat gcatcttatg tcatcgacat taagattaat agagataaac ctcgaggtat 300
 tttgggtcta tcacaggaaa cctatatata caaaactcta gagagatttc ggatgaaaga 360
 ttgttcacga agggttgtct ccattgtgaa gggatgatagg tttagtttga accagtgcc 420
 aaagaatgac ttgagaggg aacaaatgaa aaacatttct tatgcttcag ttgttggaag 480
 ccttatgtat gctcaagtgt tcacaaggcc tgacattgct tttgcaattg gaatg 535

<210> 1200
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1200

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 agccaccaag gcatatgtct tccatgtttg cacacttgct agccattaga agtaatccca 120
 gatcattcac tcttcggaag taagtaattt ggaactcttg gcttcgaacc aatgaaagat 180
 gtttcaatct cccaagttga ttaatttggt gaagaccagc attgggttagg tcaaagttaa 240
 ttcttggttc aatcagtggg gcatcttgaa gatccaaatg ggtcaaaagc atgagacctt 300
 tggatattgt accaaccata gcatcagtta tatagtctac attaagacac agtttctgaa 360
 tgcttggaag tatggatggg tgagcangat ttgagggcag ctgggatccc aaatttgggc 420
 taagcagttc agtcactgtc actgaagaaa tgtagccaat ct 463

<210> 1201

<211> 439
 <212> DNA
 <213> Glycine max

<400> 1201

tggaatgata tgcaaaagct aaacccttct tgctggacaa tgtctgcttt taaagtaaac 60
 acaaagtgtg atttgcaagt aaataacatg tataaagcat tcaataatgt aataatgtag 120
 tacagacata agccaattat tacactattg gaggggaattc aattttacat aagttctaga 180
 attgtgaagt tgaggactac cttgatgaag tatgaggggt caatctgtcc taaaattaag 240
 caaatcatgg aaaagaataa aaaagcatgt gaaccatggc gggcacattg gtgtgggtgat 300
 gataatctgt ttttgtttga agtgtcaaaa ggcattggaaa aatatgttgt caatcttaaa 360
 caataaacat gttcttgtac aaagtgggag tgtactggaa ttccatgcac tcattccata 420
 acatgcatgt ggatcaatg 439

<210> 1202
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 1202

agctttggaa agacttctta gttcttttca gtcttgcttt ggtcattggg cctttcatcc 60
 attgcaaaag atatttgaag tcattggact cttgttggat catatcaaca agactttgga 120
 catttttcat gagattttct tttggcctaa aatgaaacat gatgttaata aatattatgc 180
 caaatgcatt gtatatcata aagctaagtc taaggcttta aaccatgaat tgtatacccc 240
 tttgcctatt cccacctctc cttgaactaa catatccatg gattttgctc ttggtcttcc 300
 aaggtccaag agaggtaaaa attctatttt tggtatgggt gataggttct caatgatggg 360
 tcactttatt ccttgccata aaggggatga ttttt 395

<210> 1203
 <211> 238
 <212> DNA
 <213> Glycine max

<400> 1203

ttcgagaaat tcaaattggc aaaacttttc aactgtagt cctattcatg cgcataatat 60

atcgaaacgc tcgaaattga acatcggaag ctctcgataa attcacatgg tcataactct 120
 taactcggat gtctgatctt ggcgcataat atatcgagac gctcgacatt gaacatcaga 180
 agctctcatt ggatcatatac ggctactcgg ggggtgataaa aaagcgcatt atatacct 238

<210> 1204
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 1204

agctttccct ctttgaacaa ataccctca gccaaataga atccatcttg ggcttttttc 60
 ccacaactct cataaatggg agagaaatgt tcatctaaag catacaagtc cctaataatta 120
 tcaaataccta aaatttgagc tcctagggag caaaacaatg tctgtctcct agagagggca 180
 tcagctacca catttgTTTT tccctttttg tatttgataa catatggaaa ttgctctagg 240
 tactctaccc attttgcatg cctcttgTTT aacttgcttt gccctctaata gtacttaagt 300
 gattgatgat cactatgaat gacaaattcc ttggaaacaa ggtaatgttc ccaagtttgg 360
 agggctctta ttaaggcata aagctcttta tcataggtgg ggtagttgag ggtggcacta 420
 tgaaattttt actaaaa 437

<210> 1205
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1205

agcttcataa cctgtcttgg cacctctgga ggatttgcac aacggatcag tgcccagtta 60
 acattctgaa agaatggatg ctgttttata tctgtcgcac cacgtctata ggcaagacga 120
 tgctgaggct ctttcacaag caagccctg atcaagtccc tggcagcaaa gctgacacta 180
 ggagattctg gaaaccgtag aggctgcccc attacgttaa acagtgttgc acgattcact 240
 gaacctttga atgggtgttct gccaaacaaa agctcatata agaatatccc aaatgtccac 300
 cagtccaagg cacttccgtg ccttcacccc ttgatgatct ccggcgccaa gtactcgtgt 360
 gtccccacaa aggacattga tctggcattt gttggctcan caattagctc aggaagaggg 420
 gtcacttggg gatgcatgtc attctttggg ttgaactttt t 461

<210> 1206
 <211> 527
 <212> DNA
 <213> Glycine max

<400> 1206

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agcttgacat taagaaaaga taaacatctt atatgtctga gtataatcat aaacaaaaat 60
attaattttg gataaagaaa aaatacttag taaattttac ttgtcttaaa aaaatagcat 120
tatctaattt ttatgttcac gtttcattat actttcttct ttctctttat tttatttcat 180
tttttacaag taaatgtcta ttaaatagtt aataaacttt aaaatacttc aaaaatatat 240
ttgataaatt agaataatca agttataaat gagtaacaag cttaaatttaa aactttttat 300
ttgtataact tcgtttattt aaattaattg aacttcaaca taatatctta caagtgaaac 360
ttgaatatta aatactcaac catgttcaaa acatttacgc catagatgca gtcactcaaa 420
ttaattagca ctagatcggt tgaatttaac cgatagtttt gagccaatat tgatttatatt 480
tgattgaaca taactatata tgtgatagaa ctggagcagg caaaatg 527
```

<210> 1207
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 1207

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aagttttctt ttccattggt taatacaaaa catttgcaac caaaaacatg aagatgogag 120
atgtttgggt tctgcccatt gaacagttca tatggagttt tctttaaaat ggggtcttatt 180
aaatccctat tcatgatata gcatgcagta ttaacggctt cagtccaaaa atattttgga 240
agaagagtgt catttaataa gggtctaaca atttcttcca aagacctatt tctcctttca 300
acaactccat ttgttgagg agttctacgt gcagaaaagt tatgttcaat gccatgctta 360
ccacaaaata attcaaattc tttttttcaa attcaccccc ataatcactc ctaatagata 420
taattttgag atttttattg tcttgaatga tttatgctag tttcctaaat acttgaaatg 480
catcattctt atgagtgata aat 503
```

<210> 1208
 <211> 511
 <212> DNA
 <213> Glycine max

<400> 1208

tgagggaaaa cttgatgcct tgggtcaacct aataactcag cttggcatga atcataaatt 60
 tgcacctgtt acaagagtct gtggtatatg ttctttctgca gatcaccata cagatctttg 120
 tgctttctttg cagtgatctg gagtcaatga acaacctgaa gcttatgctg cctacattta 180
 taatagaccc cctcacagca aaaccaacat tagcgaacta attatgatct tccaagctac 240
 agatacaatc cacgttggag aaatcattca aatatgagat gggcaagtgc ttcacaacaa 300
 caacagtctg tccctccttt ccagaatgtt gctgggtccaa gcaaaccala tgttcctcct 360
 ccaatacagc agcaacaacg acaacagtca caacgaagac gacaagcaac tgagacttct 420
 ccttaacctt ccttagaaga gttagtgagg catatgacca tccagaatat gcaatttcag 480
 catgagacaa gagccttcat tcagagtctg a 511

<210> 1209
 <211> 570
 <212> DNA
 <213> Glycine max

<400> 1209

tcagctgcag caattaccct gccagaaata aggtttcccc cactattctg tgtattattc 60
 tccaaagaaa ggtctttcca gaagccggat gaataatttc tagctaggat gcgccaata 120
 tgcacagctt ttgagctcat tcttttactt gcacataaga aggcaagtgt ccttaggtgc 180
 ccagactctt ctaacatctg ctccaattcc tcttgaaaaa gagatgtatt tcacacggtc 240
 atttttcagg caacccccag gtaattacca ttatgtcatg caaccaaagt tttctttaag 300
 gagcagcatg gatttaaaaa aggggaatttt ttccattttc ctgtatatgc ttgtgcttga 360
 cattcaaaga aggttaggtt ttgggttttc atgtttattt tgctgctgag gctattctct 420
 ttctgcagag cttcaatatg atcatatcag gaaaaggaaa aaagtatttc tcaaatctac 480
 atagaaataa tgggtataat tcaattcacg acatatttat ttacagtat taattatgaa 540
 aaatgtattg aaattacttc attcaataac 570

<210> 1210
 <211> 561
 <212> DNA
 <213> Glycine max

<400> 1210

ggtgcgagct tgtaaagatc cttgcagctg atttatcacc attttttcta agactttggt 60
 ttctcgatt ggcacaacca tgtgcttgaa tttgggatct atcgagtgtg agtctttctc 120
 cataattctt acatcttcta acttctcacc atttattttt agtttatttg aaacagcgag 180
 aattcctgaa aaataatcgg aaatggacgc tgactctttc atatgtaagg attcgaactc 240
 acctcttata gtttggagat gcaccttctt tactttgtct tctcctttgt gagaggtttg 300
 aagcttatcc catgcctcct tagcagatgt tgcataagaa atcttctcga atgcattcatt 360
 ctttaatgct tgatacatga agaagagagc tttattgtct cctctttttg agtcccttaa 420
 tggctccttt tgtacttggg ataatgaaag cccatcttgg gactcctttt agcatttttc 480
 aacctttccc caacattatg tgcttcaaga aaggcccttc ttttgatgct ccatttgcaa 540
 tagggcctcc ccttttgaag t 561

<210> 1211
 <211> 504
 <212> DNA
 <213> Glycine max

<400> 1211

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 atgacatcca ctccacaagg tttgaagttg aggagacctt caatcctatt acacaacgtg 120
 gccgacaaaa gtgggcagtt aacttgaatg gtcattattg tcaatgcaga aggtattctg 180
 cgcttcacta tccatgttca catattattg caycttgtgg ttacgtgagc ctgaactact 240
 accaatatat agatgttggt tatacaaatg agcacatcgt aaaagcttac tccgcacaat 300
 ggtggcctct tgggaatgaa gcgactattc ctcttctaa tgacgcattg acacttatcc 360
 ctgacccaac agcaattcgt gcgaaaggtc ggcctaaatc aacaaggata aggaatgaga 420
 tggattgtgt cgaacccctt gagcaccgac aaaaatgcag tagatgtgga gccgaagcgc 480
 ataacaggcg tcgatgtcca atgc 504

<210> 1212
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1212

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attcaggccc ctaccattct gctccttctt gggatatgga caatctctct gaatattgtt 120
ggatcaagtg gcttcagaat aattaagaag ggggggttga attaattatt cctaaacctt 180
tactaattaa aaatttactc ttctaaggat ttactatgt tgtaaataa atgaagaata 240
gaaaagaaac ttaacaaaaa gtaaaagcgg aaattaaagt gcacagcgga aattaaaaga 300
gtagagaaga aggagacaaa cacacaagag ttttatacta gttcagcaac aacctgtgcc 360
taca 364
```

<210> 1213
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 1213

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agcttattac tgcttcttgg atggatactc tggatacaat tagattactg tggaccccaa 60
ggatcatgag aagacgacct tcacatgccc ttttggtgtc tttgcctaca gacagatggt 120
gtttggatta tgtaatgcac ctgccatatt tcagatgtgc atgttggcca ttattgcaga 180
tatggtggag ttggagcata aagcctaatt ggccctcaa ctgcttaact ttgattaagc 240
tacatctaga gagaagatga agttacagtt gctagagtta gaagaaataa ggatgaacgc 300
atatgaatca tccaagattt ataagcaaaa gatgaaggcg tatcatgaca agaagttact 360
aagacaaaac ttccagccag gacaacaagt 390
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<210> 1214
 <211> 244
 <212> DNA
 <213> Glycine max

<400> 1214

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tcaacattca atttcgagcg tctcgatata tgacgggact caatcagaca tccgagtaaa 60
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aagttattgt cgtttgcatt ggctcagagc ttcaccattc aatttcgagc gtctcgatat 120
atgacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctcagag 180
cttcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaa 244

<210> 1215
<211> 314
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1215

agctttgagc caatttttac gacaataact ttttactcgg atgtctgatt gagtcccttc 60
atatatcgag acgctcga aa ttgaatggtg aagctctgag ccaattcaaa cgacaataac 120
ttntactcg gatgtctgat tgagtcccg aatatatcga gacgctctaa attgaatgtt 180
gaacctctga gctaattcaa acgacaataa ctttatactc ggatgtctga ttgagtgcc 240
gaacatatcg agacgctctg aaatgaatgg tgaacctctg agccaattca aacgacaata 300
actttttact cgga 314

<210> 1216
<211> 406
<212> DNA
<213> Glycine max
<400> 1216

agctttaga agcaaaaggc cagctatggt gttcaagggt ggatttgaaa aggcctatga 60
ctcaatctca tgggtttttt tggattatat gctgcaaaga atgggttttt gccacaaatg 120
gagacactgg atgtctgcct gtctcaagtc agcaagcatt tctattctta tcaatggcag 180
tcctacaaag ggaatttgct cctactatag gtttgaggca aggggatcct ttagccccct 240
tactctttaa tatagttgga gaaggcatca caggattgat gagggaagca gttcataaga 300
acttatatag aagctatatg gctggaaaga aaaaggaacc cattaatatt ttgcagtatg 360
cggatgacac aatttttgtg ggtgaggctg agtgggagaa tgttat 406

<210> 1217
<211> 221

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1217

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acctaattga ttcatTTTTgc aaggcangca tgacactgga agcaaataaa tttttttgtt 120
gacatgatac atgttgggtct tcaaccaat gaatntacgt atacatctct aattgatgca 180
aatcgtaaaa tacgtgatct caatgaagca ttttatctgg a 221

<210> 1218
<211> 260
<212> DNA
<213> Glycine max

<400> 1218

tcaacctaga ggagacgaac cattccaagt gttggagaag atcaacgaca atgcctacaa 60
gattgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg atctatctct 120
ttttgatgca gatggaagag ccttggattt gaagacaaat ccttttcaag gagggagtga 180
tgaggacata accaagggca aggaccatga agcacttgaa ggtcccatga ccagaggcag 240
acttaaacaa gcccaacaca 260

<210> 1219
<211> 295
<212> DNA
<213> Glycine max

<400> 1219

tttgagctag agtgtgatgc ctctggtgta ggtgtgggag ttgtgttatg gtagggtgga 60
caccctatta cttaatttag tgagaaactt catggtgccg ctcttaacta cccacatat 120
gataaggagc tttatgcctt agttagagcc ctccaaactt gggaacatta ccttgtttcc 180
aaggagtttg ttattcatag tgatcatgaa tcaacttaagt acattagagg acaatgcaag 240
ttaaacaaga ggcatgcaaa atgggtagag ttccaagagc aatttctata tgta 295

<210> 1220
<211> 370
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1220

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tgtccgatgg gagttaacaa agtaccatgg tatttgccag ttaagaatgt cccatctaata 120
tgcacaagtg gcttgcaata tttgaagcct tcaatgcatg gattaaagtt gtgtgttcat 180
ggtttgggga ttaaggcttg aggttttagga tttagagttt actgatactt gaggtaaagt 240
tgtgtgttag gatttacgat acaatgagaa agatatttgg actattaatg agatatttaa 300
tcaaatggac ttattagata taaataggga aagaaggata tganatattc tctactatat 360
tatgaccttt 370

<210> 1221

<211> 374

<212> DNA

<213> Glycine max

<400> 1221

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cttcatttat gaatccattt ataaatgcac tcttgacatc catctgatat agtttaatgt 120
ctttgtgtgc tgcataaggct aagagtattc tgacagcttc aagtcttgct actggtgcaa 180
aggtttcac aaagtcaatc ccttctttgt tgattgtacc catgagcaac tagtctagcc 240
ttattcctaa ccactctctc tttttcattg agcttggttt tgaataccta cttagttcca 300
atcacccgact aaatcttatg agggggaaca tgattttaga ccttgatcta acgaactggc 360
tggttcttct tcat 374

<210> 1222

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1222

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agcccagttc tgtacttggg tcatggaatg tgtttcttcc acttccttta gtgtggcagt 120

caatggatcc atttatgggc acttcaaagg gcagcggggg ettagacaag gggatcttct 180
 ctccccttat ctgtttgtgc tctgtttgga gtacttttcc agagatatga gcagcctcaa 240
 ggaagatgcc aattntaaat ttcattccaa ctgtgcaagt attcagctat ctcatattggc 300
 ttttgcagat gatattatgc ttttatctag aggagatatc ctttctgtgt caactaatgt 360
 tgccaagctt caacatttct 380

<210> 1223
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 1223
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 aacaccatta gagtcctctt ataattggct gcaaatttag attggccatt acagcaactt 120
 gacgtaaaga atgtcttttt aaatggggac ttagaggagg aagtctacat ggactcacct 180
 tctggttttg aatctcagtt caatcaaaag atttgcaagc ttcaaaagtc tctctatggc 240
 ttgaaacagt cacctatagc atggtttgag agatttgccc agtttattaa gaagctggga 300
 tattctcagt gtcagagtga tcacaccttg cttgtgaaac actcttttga aggaaagatg 360
 gttgtattaa ttgtctatgt ggatgatatt ataattac 398

<210> 1224
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1224
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 tccttgatga acctccgata aaaacctgca tgtccaacaa aactcctgat acccttaaca 120
 tttactgggtg gtggttaactt ctctatgaca tggatttttg ctttgtccac ctcaatgcct 180
 tgggctgaaa ttttgtggcc caacattatc ctttcttgaa tcatgaagtg acatttctcc 240
 caattcagca ccagattcgc ttcaacacat ctttgcagct gtcataccct aatttcgtcc 300
 ggggactatc gtttgttgat cttttgatcc ttgctagtcg acttacgatg ttcaaagccc 360
 agttacagtg canaacagat gatcat 386

<210> 1225
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 1225
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 tagtcccgaa aaagactggc ctcacagtga tcagaaatga gaaggaggag ctgattccta 120
 ctcgggtgca gaacagttgg agagtctgca ttgactatag gaggtgaac caggttacca 180
 aaaaggacca ttttccctg ccattcattg accagatgct tgaacgcctg gcaggtaaat 240
 cccactactg tttccttgat ggttttctg gttatatgca aattactatt gtcctgagg 300
 atcaggaaaa gaccacattc a 321

<210> 1226
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1226

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 aattgatcgg aatttgaaat tctatggaca ttcaatgatg gttgcgtgga tatgtatggt 120
 gggcttttaa gatcccgaa tcgaaggatt cccatcaaag catcattcag atttttctgc 180
 aggagaataa aataagaaaa tttaatctat gtttgggtact tggtaggaca aagatttatt 240
 ctttgcaatc gtccattcac agacacagtc agtagattga attttaaggg tttataatta 300
 tcacatttac ttgctaaaat atcagtaccc aaaatcttat agaaacctat tggctgaagt 360
 gtaagagaga atactaacct ttttcaagta gccaaactcca aaagctcgag taaccttcaa 420
 ttacaccttc acttttctn ctataacgat cttgggat 458

<210> 1227
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 1227

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aagtgaaaag ctattgtcgt ttgaatttgc tcagagcttc gatattccat ttcgagcgtc 120
tcgatatatt acgagactca atccgaccac cgagtgaaaa gttattggcg gttgaatttg 180
ctcagagctt cggcattcaa gttcaagcgt ctogattatt acgggactaa atcagacatc 240
tgagtaaaaa gtattggcgc ttgaattgct cagagtccgg aatccatttt gagcgtctcg 300
atatat 306

<210> 1228
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1228

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acctatttac ttaatttagt gagaaacttc atggtgccgc tcttaactac cccacatatg 120
ataaggagct ttatgcctta gttagagccc tccaaacttg ggaacattac cttgtttcca 180
aggagtttgt tattcatagc gatcatgaat cacttaagta cattagagga caatgcaang 240
tatacaagag gcatgcaaaa tgggtagagt tccaagagcc atttctatat gtta 294

<210> 1229
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1229

tataaactnt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
tcttaagaag ggggggttga attaagatat tccaaattat ttcccctaatt tagaaatcta 120
tttactttt taaccaagtt atgaattccc ttaatgaaaa tcttcttaaa tattaattca 180
aatgaaacaa tttgaatatg aatataaagc aataataaat aaaggagatt aagggaagag 240
aaaatgcaaa ctcagtttta tactgggttcg gccacaccct tgtgcctacg tccagtcctc 300
aagcaaccg cttgagagtt cactatcttg taaatccttt tacagttcta acaca 355

<210> 1230

<211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1230

tgtaatcaat tacacacata ctgtaatcga ttaccagagg agattttcag aaaatattct 60
 caacagtcac atctttttat ttgggtcttg aatggctatc aaaggcctat atatatgtga 120
 cttgagacac gaatttgca agactttttg agaacaaaaa ggtcttatcc tcttaaagag 180
 caaaattggt ttatctctt acaaattcct tggccaaaac acttggtgatt caataaggaa 240
 ttatttgagt gctcaaattg ttcaatctat ctctntaaag agagatttct tcttctcttc 300
 ttctttattt tgaaaaggga ttaagagacc gagggctctt tngtgtaaag aaatctgaac 360
 361

a

<210> 1231
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 1231

agcttctcgt tcattgccat aggtgtggca agtggtttgc aatcttgcatt gttgaacttc 60
 tttaataagt catccgcata tttttcttgc gagaaaaata tttgtccaag tctttgcttg 120
 acttgcatct tcacatatag tgacgggtca cttggacttt tgaggaatct atgctcgacg 180
 aaggatttgt ctattttgtt gtccatgctc ggggagcttg tttgagacca taaaatgcatt 240
 ttttcaagcg atatactttg gcttcttctc cctg 274

<210> 1232
 <211> 220
 <212> DNA
 <213> Glycine max

<400> 1232

tggatctgtg tttcagagga atttgatggt ttcaacgtat caagagcaat tcttgacacg 60
 attactgatt cgactgatca tggtagagag ctagaaatag ttcagagaag actaaaagaa 120
 aaattggcag ataaaaaatt tctcgtcgtt ttggatgacg tttggaacga aagcaggcct 180
 aaatgggaag ctgtgcagaa tgctcttggt tgtggagctc 220

<210> 1233
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1233

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 ggccaatctg aggagtgggtg tactcttgca gcagatatct tgaattgtgg tctctgcag 120
 ttcccattta tatacctagg gatgcctata ggtgttaacc ctanaaggaa ggtggtgtgg 180
 gagcctctaa tcacaaaatt tgaggccaaa ctgaacaaat ggaaccagag aagtctatct 240
 atggctggca gaattacttt aattaatgct gccttgacag ctttgccctt gttctatatg 300
 tcctttttta gggcccttac agcaatcatt aagaggctca ctgctattca aagacaat 358

<210> 1234
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1234

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 ttcttgcaac aaaataaaac ttcaatcaga aacaatatct tgtttgcgga acatatacaa 120
 taaccttctt ttactgaatg cacaataaac atttttaaga ataaaaaata ccaacccaaa 180
 acatttgatg caccaaccaa ggcacttgct gcaacatcag aagcaattcc agcactacgg 240
 aacacagaag ttgaataata aactacagca ttattccag ccaactgctg gaacaagaaa 300
 agtgctgccc caactgac aactgaaaca aggcatantt taaggaagtg ctatatacta 360
 tttcataaaa gaatacatth aatcaactaa atagtaaact aaaaaaaagt tgcagtgaa 420
 attaaaacat gaacaatgat aatattat 448

<210> 1235
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 1235

taaggattgt caacattcca atttctcgag gaatgtgacc gataaggtta ttttctgcaa 60
 tacgcagaaa tcccaacttg ttcaacttcc caatctctgg aggaatgtgg ccagaaaatt 120
 tggcggtact taagtctaga tatgacaggt tggacaagtt tgctatggaa ttaggaattg 180
 ctccacttag ttgaagacat tgggaaagat caagagcatg taaactcctt agtgaccaca 240
 tttcttgagg gatggaacca tggaaagaat ctaaagaaaa attcacaaca tttactttgg 300
 acatgttacc 310

<210> 1236
 <211> 307
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1236

agctctgata ccacttgta tacaagtggc ctctgatata ttaagaagga gtggttgaat 60
 taagatatta caaactatct tcccaattaa aattctactt tgattttaat gcaagttcca 120
 agttccctta atgacgaatt tctaaatgat gattcaaatt aaacaatttg agtgtaaatt 180
 taaaacaaca atagataaaa gagtttaagg gaagagaaag tgcaaaactta gttttatact 240
 gattcggcca tacccttggtg cttacgtncg gtcaccaagc agctcgcttg agagttccac 300
 taacttg 307

<210> 1237
 <211> 307
 <212> DNA
 <213> Glycine max
 <400> 1237

agcttcgacc tatgttcag aattgtgtgc catcacaact gccgttaaga agtggagaca 60
 ataccttctt ggccatcaat tcatgatctt gactgatcac agaagtctta aggagctcat 120
 gactcagatt gttcaaactc cagagcagca aatgtatctt gccaggctta tggggtatga 180
 ctactccatt caatatcggt cggggagcac taatttggtg gctgatgcct tatcgcgctt 240
 gaaggaggga tcagaaggaa ccatgttatt actatctgta ccttgccctga catttctaga 300
 tgaattg 307

<210> 1238
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1238

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 tattaagaac tagctctttt attcctttat tgcctttagt tgaatacacc tttgtttggt 120
 tctctatttg gttcttaacc ctctcatgca acttctttac aaactctgac ctagattccc 180
 cttctttatg tataaaagaa gtgtctagt ggaggggaat gtgtctagt ggaggggaat 240
 gaggtctaac tgtgacatcc tggaaatatt tacctggaat tttgtaagcg atatattta 300
 aataaatata tatatgtatt attcagtga tatatatata tataact 346

<210> 1239
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 1239

taaaacaagc ttcccgtcag tggtagctta agtttcatgg gataatttct tcatttggtt 60
 ttgatgaaaa ccccatggat caatgcatat accacaaggt tagtgggagt aaaatatgct 120
 ttcttggttt atatgtagat gatattttac ttgcaaccca cgattcgggt ttgctacatg 180
 aggtgaaaca atttctcttc taaaattttg acatgaaaga tatgggtgat gcattctatg 240
 tcacgggcat taagattcat agagatagat ctcgaggat tttaggtcta tca 293

<210> 1240
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 1240

agcttgattg cctattcatc aaaggagaa ttctcctgag ataatatatg agagatgcag 60
 caacaacctc agatttcatt cctttcactt caatggctat aatcagtcgt ttatataggg 120
 agaggcttaa catagacaca tcataaaacc accaatcatg gagttgagat ggtttctcag 180
 aagaaattcc attccacaat gcactgttgt ctgcttgatt ttgcttgcaa ttgcttccaa 240

ccacaggcca gtggaataag gttggatctg aacaagcctt tatagccaag gaatcaatgc 300
atcttgaaac tatatggaga tcttttgtca agggctgcac ttccttcaca tgtttaa 357

<210> 1241
<211> 396
<212> DNA
<213> Glycine max

<400> 1241

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atctgtgttt ttcataaggaa acacaacctt cacttggatg tcaaaaaagt agccgatatt 120
cactcttttg actcgtgagg cagaatacgt agcagctact tcatgtgttt gtcattgcaat 180
ctagcataag aatttattaa aagagttggg catgtcacia gaagagttga ccaagatctt 240
tgtggataat aagttagtca ttgctctagc aaggaatcca gtgttctatg atcgaagcaa 300
gcatattgat accccttacc actacataag ggagtgcata gcaagaaagg atgtacatgc 360
agaatatgtg aagtctcaag accaagaagc tgacat 396

<210> 1242
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1242

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gcttnggcc acaattctgc tctctgtatt ccagaaggat gagtagagaa ataatccccg 120
aaggtagaat aaccagcaaa ttttctaac tctcataca ctttatgtgc caccggggga 180
tcataaccgg ctaatgcaat tatgtactaa gttatgtcac gctatctttg aacactcagt 240
ccatctattt atcacttgct catttgctaa attcattcgc gtattaactc atgtagatgt 300
taattgtgaa gcatcgggat aca 323

<210> 1243
<211> 333
<212> DNA
<213> Glycine max

<400> 1243

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cggaatggag aaggaagaga gagagagagg agacgccact tcaaggagaa gatgagtcta 120
gaagaagctc accaccataa gaggccatgg ataagagctt gggggaagaa ggagatgact 180
gaagggagag agagagaaga gcacgaaatt ttgtgctcca aatgagcttt gaaatctgaa 240
gtttgatatt caaatgatca aaagtgaata aaaatcacac acatgacctc tatttatagc 300
ctaaagtgtca cacaaaaatg gagggaaatt cca 333

<210> 1244

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1244

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tttggaggga gatgntaaat tggctagaac tagtcctaag catagcactt cttatcatcc 120
ccaaacggat ggtcaaaccg aagttgctaa tcggtgctta aagacctatc ttaggtgctt 180
tgctggccct aagcccaaga cttggtttga atggttgcat tgggctgagt tctggtttaa 240
cagtaactac aatatctttg ctggaatgac accttttaaa cttttatatg gacgagatcc 300
tccattgttg attaagagct gcaccattcc atcaaagttg gatgatgtaa atcagttggc 360
ccaacaacga gatgat 376

<210> 1245

<211> 314

<212> DNA

<213> Glycine max

<400> 1245

tcaacctaga ggagacgaac cattccaagt gttggagaag atcaacgaca atgcctacaa 60
gattgacttg cctagtgagt ataagtgaag tgccactttc aatgtgtctg atctatctct 120
ttttgatgca gatggaggag cttggattt gaggacaaat ctttttcaag gagggagtga 180
tgaggacata accaatggca aggaccatga agcacttgaa ggtcccatga ccagaggcag 240
acttaaacaa gcccaacaca ttatagagaa caggctggtc atttgatag ctgtcattga 300

tgatgattga aggc

<210> 1246
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 1246
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 tcaagacgct aaaaattgaa cacggaagct cgggcccaat tcaaactggc ataacttttg 120
 acttagatgt ctgattgtgg accatattcc aactgccatg attggtgatt ctgatgtttg 180
 actacggccc ataatatatc aagactcttg aaattgatta caaaagctcc tcacaaatta 240
 aactaccata acttttgatt ggatgtctga ttgtggccga taatata 287

<210> 1247
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1247

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 tgttctcaat tagctcagtt gcttcttccg gggcttccag ttttatcttt cccctgcag 120
 aagcatctag cagttgcttg gtttgtggtc tcagcccatc tataaacata ttcaattgaa 180
 ttagctcgga aaacccatgg gtgggagttt ttctcaataa accttgaac ctctccaatg 240
 cttcacctag agattcatca gggaactgat gaaatgaaga gattgcagct ttcccttcca 300
 cagccttgga ctttgggaag tatttcttta ggaacatttc aacaacttca tcctangttn 360
 tcagattgtt acccttaaatt gagt 384

<210> 1248
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 1248
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tattaagaac tagctctttt attcctttat tgcctttagt tgaatacacc ttgttttgg 120
 tctctatttg gttcttaacc ctctcatgca acttctttac aaactctgac ctagattccc 180
 cttctttatg tataaaagaa gtgtctagt ggaggggaat gtgtctagt ggaggggaat 240
 gatggctaac tgcgacatcc tggacatttc ta 272

<210> 1249
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1249

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 agtcttttga tgaagcaaca atgatgtaag ctccattgga gcttgtaggc ctaggatctt 120
 cttcatcaat ggattccttt gcttcttga agatgaatgg cagcggaaat gagaaaggaa 180
 gagagagagg agacgccact tcaaggagaa gatgagtcta gaagaagctc accaccatag 240
 gagggcatgg ataagagctn ggaggaagaa agagatgaat gaaggagag ggagagaaga 300
 agcacgaaat ttgtgctcta aatgagcttt gagatccgaa gtntaatatt caaatg 356

<210> 1250
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1250

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 tgcactctgt atgccttgga caattcaaag tattcaagta agattctaga atcacactag 120
 gagtcaaact ttccaagttt atccttggtg tttaagatga aacgctgaca tccaaatgag 180
 tggaagtaag agatattggg cttacgtctc ttccataatt catagggact tctttaagat 240
 aggccttatg taaattttgt tctataaata ccaggaaaca ttacagctt caaccataa 300
 atctttggga gttgagtgat cgtaagcat tgttcatgcc atttctgaa gagatatnt 360
 tttcctctca acaacttcat tctgttgtgc tgttcttgga gtgggaaaaa tatg 414

<210> 1251

<211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1251

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 ttttttttag aaataagcaa taggatgctt gttttggctt aacacaacac caactcccct 120
 ccctgaagca tcagtttcta atacaaaaag tttattgaaa ttaggaatag ccaagacagg 180
 tgcagaagtc atggctatct taagtttttg gaaagcctgg gcagtagctt gaccccat 240
 gaaagagtcc ttcttcaata gaacagtcag aggtgttgca atggtagcat aggtcttaac 300
 aaatcttcta taataacctg taagtcctag gaagccccctt aatntcttta gattcat 357

<210> 1252
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1252

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 acatgaggca gcaatcacag gctatgtaga tgcagatttt gcaggaaatg tagacataag 120
 aaagtcctta actggatatg tggttacttt gtttgaaaa acaatcagtt ggaaagcaaa 180
 taaacaatta gttattgctc tttcaacaac taaagtagag tacatggccc taattgaagg 240
 agtgaatgaa gcaatctggc taanaggaat ggtaaataa cttggaatag cacaaccttg 300
 tgtacaattc actatgacag ttagagtgtt attcatttag canatcacca aatttaccat 360
 gagaggacaa agcacataga tgtngaaata cacttcatca gagatctgat tgaatctga 419

<210> 1253
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1253

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 atgggctaaa ttctcattt ggttntgatg aaaaccccat ggatcaatgc atataccaca 120

aggtaagtgg gagtaaaata tattctctta ttttatatgt agatgatatt ttacttacag 180
ccaatgatca agttttgcta cataaggtga aacaatttct ctccaagaat tttgacgtga 240
aggatatggg tgatgcatct tatgttatcg gcattaagat tcatagagat tgtagaagca 300
ngcttcatga tgatgaatca agtagttttg atgatgacaa aaagcccaca agaatgatgt 360
caagattgag tcaacaagtt caagatcaa 389

<210> 1254
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1254

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gaacaattat gatctctcca gcaacagata caacctgga tggaagaatc accctaattct 120
cagatgggtct agccctcaaa agcaacaaca acagcctgct ccttccttcc aaaatgttgt 180
tggcccaagc agaccataca ttctccacc aatccaacaa cagcaacagc ccttgaaaca 240
gccaacagtt gaggtcctc cgcaaccttc cctcgaagaa cttgtgaggc anatgaccat 300
gcagaacatg cagtttcaac a 321

<210> 1255
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1255

ctgcagctta ttctttntac tcttgtgcca agtctttgat gccacatggt tgaattattg 60
acagcctccg taattgctac catatcctca tctacaatca tgtaaagaga tctcacttt 120
tttccacgag ccccaacgag attgcctttt gttaccttcc aagctccatc tccaaaagtg 180
gtgtgatgcc cctcatcatc ctaccatcct atagatatta aatttttttt taaggcagga 240
atatgtctaa cattgtgcaa tgtccatagg gatccactag aggtcttgat gttgatatca 300
ctntttccaa caatgtcaag agattntcca tctgcaaggg aaactttccc aaatcttcca 360
gaaatatagt tagacaataa atctatagag ggagtagtgt ggaatgaggc acctaaagtcc 420

attaatcatg aatcaacggg actat

<210> 1256
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1256

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 agtaagataa gatcgacact ctcacacgca agaggggtaa tgcaattgtg aaataacaaa 120
 aaatttlgca ggaactactt caatgccctt attggaaata atgtggccta aaactatacc 180
 ttgctcaacc ataaaatgac atttttcata atctagaaca aggttagttt cagtgcactt 240
 attcaaaacc ttttccagac tatccagaca aatatcagaa gagtatccat atacagtga 300
 atcatccata aacacctcta tgcaattttc tcaaaaatca ctatnaatac taatcatg 358

<210> 1257
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1257

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 tttatttcag gaaaaaatta gaggtagggc aggaagtttt acttttttat tatgtgtggn 120
 tgaatgaaat aaaaaatctt tgatttggtt tgtgctgaat ttgatgagtt tggttttcta 180
 ttttttaaaa cattttcttg catttcttag ttgtcaaaaa tcatttaaca cattttaaac 240
 aagtcaaaca attatatttt aaaaaatctt aacgggtcaaa aaattaatcg caacaaaatg 300
 caataaaagt ttaaggatta agattaatta aatntttggt taagaattaa aaatcaaaat 360
 ataaaaaagt taatggatta naaacgtagt taatcttatt ntatataata natananaga 420
 atattttaac tattttattg taataaataa tgcattgaaat ata 463

<210> 1258
 <211> 371
 <212> DNA
 <213> Glycine max

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<223>    unsure at all n locations
<400>    1258
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agaaattttc tatggggagg tgatattgag gccacaaga tcccttgggt gaaatgggac	180
acagtttgtc ttcttaagaa caaagggggg ttagggatta aagacttgat caaatttaat	240
gaggttntgc ttggcaa atg gcgttgggag ttgactaata atcagaacca gctataggca	300
agaattctat tgtctaaata tgggtgggtgg aatgcattgc tctctggtag aaatagtagt	360
gatctctccc a	371

<210>	1259
<211>	362
<212>	DNA
<213>	Glycine max

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<400>      1259
agcttatcaa gggtgcttaa tatctccaac atatttactg caattaatcc ataatatTTA      60
taattagctg acagtcggat catgctgata tatatcaata agttaaattt gatagtgata      120
ctgttgTata tattaaaacta cattgagatt tggcaaaaagc aaaaagctat taaacattgt      180
cttgtgtTgc attctcattc aggaaacagG tttcaacttc tgtacaaaac agaaatttct      240
tacaataaaa gaagacggct tctgttcaaa attgectcat ctgatctgtc tgtgtctcca      300
ttagcatgat ttacaggtca ttcaagtgac acgtgacagt taggaactca tccttcttac      360
at

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<210>	1260
<211>	441
<212>	DNA
<213>	Glycine max

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<223>    unsure at all n locations
<400>    1260
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cagganagcc ccattcttta agttctaatt aagggttagat taagaatttt aaatgcaaat 120
tacattatta taagtaatat tgaataccta attaaattat attttttaag gaacctaata 180

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aatctaatta gatttattct atttaatttt aattaatatt cattagttaa agttgatctt 240
 agttgattgg ataattaaaa ttagtttcaa gtgagaataa ggacttacat tntttgttta 300
 agttaaaatc attctanatt actatgcttg gagaacctga aataactaat taatacatnt 360
 tttatgaatt aaatanacca cacttatant tctattaaat ttgagttaac tttttttaag 420
 agaaatttga gttactaagt a 441

<210> 1261
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1261

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 gatggccttg atttcccaag gtccacatgg accccatttc taccaactac aaaacctaag 120
 aaaactatat tatctacaca aaaggtagac ttctctatat ttgcatagag ggtgtttttc 180
 ctagggactg aaagaactta cctgagatgt cctaagtgat catctangct cctattgtac 240
 actanaatat catcaaaata aacaactaca aatctaccta tgatatccct taagacatga 300
 tgcataagcc tcataaaggt gcttgggtgca ttagtgagcc caaaaggtgg tcttgaaagc 360
 gattttcaact catacccttn tcatctgatt tcggatacca cttt 404

<210> 1262
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 1262

tgattacaca agatgatgac gaaggagatg acaaaaagct ccagattaac cctatgacag 60
 atcctccgag gtaaagatgt ccagactaca actattggct acaaaggctg aaaatctgaa 120
 gatgaatgag gaagagtgtt ttcattgact ccacatgaac attcttgata ttgccaatgc 180
 ttgcaactgcc ttgggagaga agatgacaga tgaaaagctg gtgagaaaga tactcagatc 240
 cttgccttag agatttgaca tgaaagtcac tgcaatagag gaggcccatg acatttgcaa 300
 catga 305

<210> 1263
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1263

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 gtcttttaaat taatttacaa gtgaattttc aatactaaag taatgggttca tacttcttaa 120
 tctaacaact attntgatac attattatth tttattttac gaaaattaca aacaacaaag 180
 attaattaaa aattagaaga catataaaca agttgcatag aaaaataata cggtagattn 240
 tacaaaagtt taaactgttt gacactttctt atttactttc acacataaat acaacaaaaa 300
 tgtgtattat cttgaaaatg attacaagta tgacaactta acataagttg tctatcacat 360
 taatacaaat cggaatacct aagaagtata taagaaatga taaattaatt ttcacaagag 420
 ttcctctcag tgtcaccaca agca 444

<210> 1264
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1264

ctggcaaggg tttgggcagt gtattttgag ctctaccaga tgggactcaa ttagcagtga 60
 agaagttgga aggtattgga caagggaaga aagaattcag ggccgaagtt agcatcattg 120
 gaagcattca tcatcttcat ttggttaggc ttaggggatt ctgtgctgat ggaactcata 180
 ggctccttgc ttatgagtac ttgtctaatt gctccttgga taaatggata ttcaagaaaa 240
 acaaaggtga gtttctgttg gattgcgata ctangttcaa tatagctctg ggaacagcac 300
 aaggacttgc ttaccttcat gaagattgcg actetaagat tgttcattgt gacatcaagc 360
 ccggaaaacg tgcttctgga tgaccacttc atgcgcattg ttcggatttc gactggctaa 420
 ctcatg 426

<210> 1265
 <211> 350
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1265

agctntgagc aaattcaaac gacaataact tttgaatcgg atttccgact ttgtctcata 60
gaatatcgag aactcgttaa ttgaaaacgg aagttctgag aaaaatcaaa cgacaataag 120
ttttaactcg gatgtcctat tgagccctgt catatatcga gacgctcgta attgaagacc 180
gcagctctga caaaaatcaa acgactataa tctgtaactc ggatgtgcga tagagaccgg 240
taatatatcc ggactctcat aattgaaaac taaagctctt aacaaatatt aacgactata 300
caatcttgac tcggatgtcc gactgtgtcc cgcaagatat acagacgctc 350

<210> 1266

<211> 384

<212> DNA

<213> Glycine max

<400> 1266

tgagttgac tttatccttc ataacaaggt tcattttgtc tgtagtctcg tggcatctca 60
cttctatctc ttttaagtgc ttatTTTTTA cctgaataat gttagttaaa ttcgagacaa 120
gcttatcttg ccttcgagct tcttcttcca taagctcaga tatggttttg acatcgccca 180
tccttcgcag atgttctcca tagatactat tgatcttgta gtcactgtcc cgggcaaccc 240
atgcataaag gccagacttc agcccagaat tagtaaacca atcctTTTTT ccatgatgat 300
ctaattcata tgctctttca aatgccaatg cattatgtaa gcctggccaa gttttattga 360
attccacaag agcagtttca gagt 384

<210> 1267

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1267

tgtagagagg cattngagga gctgaggagg aggcttacca ctttcccat catgcaacca 60
ttagattgng agcttccatt tgaatttatg tgtgatgcct ccaattatgc acttggggat 120
gttntgtcgt agagagttga tagactatca catgtcattg cttacgcctc accactctgg 180

atgcaaccca agtcaactac accaccaccg aanaagagct tttagctatt atttttgcat 240
tagataaatt cagatcttat ttgtttgctc ctatattact atttgactg accatgcage 300
cttgagatac ttgttgaaga aacctaatgc taaacccaaa ttgac 346

<210> 1268
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1268

aactggatgc attggtttac ttggaaccca gctggccttg aatcagaaat ctgtacctgt 60
cgcaagggtt tgtggttggt gtcctctgc tgaccaccat acagacctt gcccltccat 120
gcagcaacct ggagcaattg agcagcctga agcttatgct gcaaataattt acaatagacc 180
tcctcaacct cagcagcaaa atcaaccaca gcagagcaat tatgacctct ccagcaacag 240
atacaacct ggatggagga atcacccctaa cctcagatgg tccagccctc agcaacaaca 300
acagcagcct gcttcttct tcaaaatggg gctgggccag cagaccatac atntctccac 360
caatcaacaa cagcaacaac cccagaaaca ac 392

<210> 1269
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1269

aagctcctaa tatctcccac actntnntgg gtgggccatt cttggatggc cttgattntc 60
tcagggtcca cttggacccc atttctacca actacaaaac ctaagaaaac tatattatct 120
acacaaaagg tacacttctc tatatttgca tagagggtgg ttttcttaag gactgaaaga 180
acttgtctga gatgtcctaa gtgatcatct aggtcctac tataactaa aatatcatca 240
aaataaacia ctacaattct acctatgaaa tcccttaaga catgatgcat aagcctcata 300
aagggtgcttg gtgcattagt gagcccaaaa ggcactacta gccattcata caaacanac 360
ttggtcttng aaagcagttt aactcactn acccttttat cctga 405

<210> 1270

<211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1270

actcagctct tgcccaattc gcttctgac tcgaaaaagc tactcaaaat tcattatcca 60
 gaggtccacc attgcgcgag ttgcttaaac aattccaatc agcttctctt acccggaag 120
 aaccgataat aactatttat actggaacca atgggtatct tgattcctta gaaattggac 180
 aggtaaggaa atttcttggg gagttacgtg cctacttaaa caccaataaa cctcaactcc 240
 aagaaatcat atcttctacc aagacattca ctggggaagc agaagtcctt tttgaggaag 300
 ctattcaaga acagatggaa ctctttttac tacaggaaca ggtagaaaaa agatgattaa 360
 tcatttaata actttataat tcaactctcaa ttcttataat angnatcttt taatatct 418

<210> 1271
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1271

agctttgctt ctgttcaata tataatgact gtagctaact atgcgtggnt aatccgatcc 60
 gatcatcgat ggtcggcaag tatgatggtc ttaatgatga tcctacacgt attttcgtgt 120
 gtatctcaca ggcggtttta aaaaacctcg ccaattaact tgggttacgg gtgtagttat 180
 ggctgtattg actgcatctt ntgggtgaac cggttattcc ttaccttgtg atcaaattgg 240
 atatagngca gtcaaaattg taacaggcgt acccgacgct attcctgtaa tangatcagc 300
 tttggtaagc tattacgcgg aagtaccagt gcaggacaat ctaccttaac tcgttggtat 360
 aggttgcata cttgttgcat acctcttcta ctgctgtatt at 402

<210> 1272
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1272

cagcagccaa tccttgaagc ttctgtttc tccctgtgaa ataaaagaaa gagagaaatt 60

aaacctaata ttgggtcacgt aaggaaaagt angacaaact tacctaatagc aaaatggcaa 120
 ggtaaagggtg tgccacatct cttcaatgtg gtcatttcat catctgttag ttacgattc 180
 acaccatatg gaagaaggca aaagggttta ctataacat gaataacagc aggcagaaga 240
 tcagcatcaa caggcaaagg atcacactcc caccaatcaa tatatcgagg cccaagccct 300
 gttagcaaac agtctgtatc ttctgcaagc tctgcttcat c 341

<210> 1273
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 1273
 tgggtacccc atgttgaatt tgcttacaat atagctgttc atagcaccac taattgggtc 60
 ccttttgaag atgtttattg gttaaccca ctaactctc ttgatctttt gcctaattgt 120
 tctgttttta agcataaaga aggtcaagca aatgcggact atgtgaagaa gttcatgag 180
 agagtcaaag atcaaattga gaggaaaagt ataagctatg ctaaacaagc caacaaaggg 240
 agaaagaagg ttgtcttcga acccgagat tgcgtgtggg tgcacatgag aaaaaaagg 300
 tttccggaac agaggaaatc atagcttc 328

<210> 1274
 <211> 339
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1274

agctagcaac aaacataatg tcttgtcttg ttgctgacag atacaacaaa ctaccaatta 60
 tactttctata aacaaaatca tccgctttat caataccatc gttcattgat aacctttcat 120
 tcacaacaat tggagaggcc acacgcttgc attgctccat gcaaaacttc aatatcacca 180
 aagcatatct cttttgtgaa atgaagatcc cgtcattaca ttgagaaatc tccattctaa 240
 gaaaatactt aatttcaccc aagtcaacca ttctcanatc gttgtccatg tcccttattt 300
 cacctaagtc agtcattttc ccacttcttc acgtaccag 339

<210> 1275

<211> 283
 <212> DNA
 <213> Glycine max

<400> 1275

tttgcaaggt gaaatcattt atcctatctc cgacagccaa tgggtgagtc ccgtccaggt 60
 agtcccgaag aagaccggcc tcacagtgat cagaaatgag aaggaggagt tgattcctac 120
 tcgggtgcag aacagttgga gagtctgcat tgactatagg aggctgaacc aggttaccaa 180
 aaaggaccat tttccctgc cattcattga ccagatgctt gaacgcctgg caggtaaattc 240
 ccactactat ttccttgatg gtttttttgg ttatatgcaa att 283

<210> 1276
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 1276

ttgtgcta atgttctatt gacactcttt gtttctgaac ttcttctttc acggcaaagt 60
 acttcaattc catatgctta gcacccgtag agtacttgtc gttcttagaa aagaatattg 120
 ttgcggagtt atcacaatac attttcagcg gcctagcaat actgtcgaca attccaagcc 180
 ctgaaataaa gtttcgcagc caattagcct gaattgtagc ctcaaaacat gctacaaatt 240
 catcttccat ggtggatgca gcaacaactg attgttttgc actcttc 287

<210> 1277
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 1277

agcttgggtca taattataaa aagatagatg cttgtccaaa aactgcatg ttgtatttgg 60
 gagatgatga aaaaagtgtg gatgcttgta agcattgtgg tacatctaaa tggaaacccc 120
 acaagaagaa gaaaatagct gcaaagggtt tacgctactt tccattgaaa ccaagattgc 180
 aaagattggt cacatgtcgt aagactacaa aagatatgag atggcatggt ttggaagaca 240
 ataaagatgg gttgttaaag catccaagag atggagagac atggaagaca tttgatttaa 300
 tccatcctga gttttcttca aatcctcgaa atgttcgttt aagccttgct actgatgggt 360

ttaatcctgc taggaccttg agttctacct atagcatctg gccagttt

408

<210> 1278
<211> 594
<212> DNA
<213> Glycine max

<400> 1278

agcttaagcc ttttatacat gcttagtaag gatcaaagat gttaaaaaaa tggattgac 60
tctaagtttc taaaaagcaa tgagttcaac acactataat tgattacaaa gttttgttat 120
caatcacaaa gtgtagaac aaacaacaaa tctctcttct acttgaaatt tttggcaagt 180
tttgacaaat taatcgatta cttgtttcaa taatcgatca tagaagtcag tttcaaaaga 240
agaaagactt tgtagcttaa gctaatcgat taccttttat tgtaatcgat taaattgtat 300
ctagaaataa tcaaagttag tttcaaaaga agaaagactt tgtagcttaa gaagttctct 360
acatgatgaa ataatacaatt accacacctg ataatcgatt attccagaaa atacagaagc 420
atgagaagct ctttatttga aacaagataa tagattatca tttcctataa tcgaatacaa 480
gatttatgaa aatgcataac aaaaaggatt ttgacgtatt aatcgattac cataatctat 540
aattagttaa aattgggtta cccatcaaaa ttataaatac ccttttatct tatt 594

<210> 1279
<211> 507
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1279

agctagtaat acattaattg ataaaataaaa actttggcat ttgagattag gtcattgttag 60
tgaacgggga ttacatgaaa ttgagaaata aaatctgtta ggtggcgata aactagataa 120
acttgaattt tgtgatcatt gtgtgcttgg taaatcacat agaataagct ttggcactgg 180
tattcatggt ttatctaggc cttttgagta tgtgcatttt gatttatagg gaccatttag 240
agtgaataatt catggtggaa gtcatactt tctcaccatc atagatgatt tctcaagaag 300
agtatgtctg tatgttttga aaaataaatc agaagctttt caaatattca gagagtggaa 360
aactcttatt ggaaatcaac ttggtacaaa actaaaaatt ttaaggactg acaatggcct 420
gtagtttgtt tcaaagcaat tcaatgagtt ttgcaggaaa gtaagtatca naaggcccaa 480

aacaatccct tacacaccac acaaaaa

<210> 1280
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 1280

tctgttatga atttcogagtg tctcgatata ctacgggaca caatcggaca tccgagtaaa 60
 aagttattga catttgaatt tgctcatagc attcgttgtc aattacgagc gtctagatat 120
 attaaaggat tcattcggac atccgagtaa aaagttatta tctttttatt ttgctcagag 180
 cttctgtttt caatttcgag catctcgata tattacagga ctcaatcgga tatccgagtc 240
 aaaagttatt gtcgtttgga ttgctacga gcttccgggt tcaa 284

<210> 1281
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 1281

tgtaatcgat tacagcattt gtgtaatcaa ttaccactaa ggaattttca aaaaataact 60
 cccaagagtc acatctattc aaaagatttt tgaatggcca tcaaagggtct ataaataggt 120
 gacttgggac acgaaatttc ttagagtttt cctgaacaaa ttgtcttatt ctctcaatac 180
 caaattgtct tataactctc aaaaagaatt ccttggccaa aacacttgca aattcaataa 240
 ggaatcttaa gtgatcttca attttaatat ctttctct 278

<210> 1282
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 1282

agcttggaag ccaaggcctt gaggtttgtt tttatgttgt tggattgatt ttatattcctt 60
 cattcatatc atggctctga gttggtatct tccttgcttt gtgtgaatca tttttggctg 120
 taaggtttcc aagttgggat tcgggtgtat gggcctgacc aaagtgtaca atgatcctgt 180
 tcctaaagag gttggcatct ctttgatcaa atacacattc agtaaaggga tcaatttctt 240

tgttactgta gatttttata gaccccatgc caacaaagtt ttggtcgaaa aggttaatta 300
 ccttaacact ttgtaacata tttgtttcac tttacaata acaaccata atataatgta 360
 acataacatt ttaattaact ctgaggtggt caggggcttg cctcaagatc aaattcagat 420
 tcccccaaag tttggtattg tcaaaatgga taatggtaat gtgatagtga accgggtccc 480
 ctgaatatgt ctg 493

<210> 1283
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 1283
 agcttcttgc aacattatgg tcaatgagct gcataatgag gggaaaaagc aattttcctg 60
 ttataaaaaa tatattagcc aattttgatg atgctttctg agaattgaga agcttgcctc 120
 ctaaaaggga ttgggatcat gctatcattt tgaagaaggc tcaaattcct aatatttgc 180
 cccacatgta tatgcattat caaaaaatg agatagagaa gattgtgaag gatatgcttt 240
 gtgctgtaag gcccaacact aaccctttca gtagcctgt tatacttgtc aagaagtatt 300
 gtgtgtggag attttgtata gactatcagg ccatagacaa gtaaaccacg gataaatttc 360
 caattcccat aatagatgaa ctactagatg tattgggtga tgcagtgatt tttgtaagat 420
 gaactactct tttg 434

<210> 1284
 <211> 168
 <212> DNA
 <213> Glycine max

<400> 1284
 tataatatat cgaggcgctc gaaattgaac aacggaagct cttgagaaat tcaaatggtc 60
 ataactttta actcggagtt caattcatgc gcatcacata tagagacgct taaaaatgaa 120
 caacggaagc tctccaaaag ttaaaatggt cataagtttt cacactga 168

<210> 1285
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 1285

tgaattgaa catcagaagc tctcgacaaa ttccaatggt cataacttgt cacaaggaag 60
tccgattctg gcgcatacaca tatcgagacg ctctaaattg aaaaccggaa gctctcgaga 120
aagtcaaaag gtcataactt gtctcacgga agtcagattc gggcgcataa tatatcgaga 180
cgctcgaaat tgaacaacgt atgggtctcga gaaattcaaa tggtcataac ttgtcacacg 240
aaagtccgat tcaggcgcat aatttattga gaagctggaa at 282

<210> 1286

<211> 195

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1286

tgaaggtagg agaagatgag tggagggaga gggagtgaag aggcacgaaa ttttatgcct 60
caaagtgggt ctgaactttg aagtgtatt ctcaaatgat caaagttaca acaagtgtta 120
cacatgcttc catttatagc ctangtagct tccttgagaa gcttccttga gaaacttcct 180
tgagaagctt ttttg 195

<210> 1287

<211> 276

<212> DNA

<213> Glycine max

<400> 1287

tacatcgact gccagaaggt gcataacaaa ctcggtgaaa ttagttgcaa cttgtaactg 60
tttctcggag gaagaaagaa agaaaaaacg gttataacaa actttttttt ctgctacggc 120
tgctgctgtt gcaagttggg gcgcctccgg aatagcgcg tttgttgagg gaaatccggc 180
gagaaaacga cctatgcaag agcgacgtcg tttcttcttc cacgtgcttt ggagccgac 240
ccgagcttga cgagttcatg gtccccctt ctttct 276

<210> 1288

<211> 419

<212> DNA

<213> Glycine max

<400> 1288

agctttacta gtgttccaag acatgatgtc tgctggagaa tgtccaaact atgtaacctt 60
cattggggta ctttctgctt gtgttcattt agctcttgta caagaaggat tctactatct 120
tgatcagata atgaagaaat ttgacgttga gcctggactg gagcactaca catgtatggt 180
tgacttttg ggtagggctg gtttacttga tgaggctgaa aactttatga agacaacaac 240
acaggtcaaa tgggatgttg ttgctggtcg tactttgctt aacgcgtgcc acattcatcg 300
aaattacaat ttagggaaac aaattacaga aactgtgata cagatggacc ctcatgatgt 360
gggaacatat acattgctat caaacatgca tgccaaggca aagaaatggg atggagtgg 419

<210> 1289

<211> 288

<212> DNA

<213> Glycine max

<400> 1289

tgctgaaaag gcaaagccgt ttacaaaact gctcaagaaa actgagccct tcctgtggga 60
cgagacatgt gaacgagcct tcctggcttt caagaaaacc ataactacac caccgatcct 120
gagtcggcct aggctaggag taccatact cctatacctt tcaataacta acaaagctgt 180
taactcgacc cttctgcaag aggaagggaa gcattaactc cctatctatt tcaccaaccg 240
catacttcat gaggccgaga agtgctacca aatgatagaa aatatggt 288

<210> 1290

<211> 440

<212> DNA

<213> Glycine max

<400> 1290

agcttgcaat gattcactct gatgtgtgtg gccatttga aatcaaactt catggaggta 60
acttgatatt tgtctctttt atagatgact ttacaaagaa aatgtgagtt tacctattac 120
aaagaaagag tgaagtattt gtaacattta aatcattcaa gttactagtt gaaaaagcaa 180
tctgggtgtt caatcaagat gcttagaact gatgggtggag gagagtacac ttcacttgaa 240
tttgagaatt tctacaagga agaaggaata attcatgaag taatggctcc atacactcct 300
caacacaatg gaactgctga gagaaagaat agaatagtgc aaaatatggt tagatgcatg 360

ctgagaaaga agcatcttcc atatgatttt tgggcaaagg cagtatccac aacttctcac 420
 atcttgaata gatgtcctac 440

<210> 1291
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1291

agcttgaatn tgagaataaa aatcataaga cattaagttt ctcttggcct agaagtcaga 60
 tgcaaattca gtagaacaga taaatatatg atgctctaata ttacaaaacg aaataaaaaa 120
 aataaattgg ctttcatggt gattgtaaac cttttgagtt tggacactta cacattctgg 180
 tgaagctgac aaatgcagta tatgtagccg aagacaaggc aggcaaaaga aacattggca 240
 aaactcggat tgccctcatt ttccaattca tatccattga tcttgttgtc ataatagcat 300
 aacctacagc aatgacctga aagttgaaac cattttaagc aaaatccatt tataaaaaca 360
 ccctcaataa tcaataagaa tatattaatt tgtcagagaa aaaatttaaa atttcagtta 420
 accctccatt gtcactcaat a 441

<210> 1292
 <211> 289
 <212> DNA
 <213> Glycine max
 <400> 1292

tatcagaaca acattttttt tcaaaatgca acaatgagaa aagaaagcac aaagaggaaa 60
 ttcacagaac caaatgagat taacatcaat tcacattttg tttctaaaga atataagaga 120
 aaacacccga ttcactcagg cagaggaaaa cctctcaaag gtgcataatt ctcatgcagg 180
 caattgttcc atcacaattc caatcactga tatgtcataa atcaattttt gcaagtcatt 240
 tcccatcaaa tcaaagataa attgcataat catcatggat cattagggc 289

<210> 1293
 <211> 407
 <212> DNA
 <213> Glycine max
 <400> 1293

agctttctcc actaagttgc ctaatgcctg aaatgtcttt tctgatggta gtggtcctag 60
 atgcaagaaa gaatttctcc aagaacaccc tcttaaggtc atccctgctg aaaatggact 120
 tgggagcaag gtagtgtagc caatcttttg ccactccctc caaagaatga ggaaaagcct 180
 ttagaaagat atgacettct tggacattag ggggtttcat ggtggaacaa acaatatgga 240
 actccttaag atgcttataa ggatcttcac ctgcaagacc atgaaacttg ggcagcaaatt 300
 gtattagtc agtcttgaga acatatggaa caccctcatc aggatattga atgcacaagc 360
 tctcataagt gaaatcaggt gcaaccatct ccctaagagt cctctca 407

<210> 1294
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1294

agctttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatct tcagattggg aatgcctcta acagcacctt ggtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcac tcttttgag 180
 gatagacatg tggaggagta actggtttct tgagggtgctc ataggtaaca gttgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg ttaccaagca ttctgacttt 300
 gtgaagttaa cattgaatcc ttcacacaaa caactgactg atgctgatca agtttgagc 360
 cagtccttc accagcaata ctttggtcag actangaagt ccatcatgga ctagccttcc 420
 catccaataa tcttttctt 439

<210> 1295
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 1295

attacgagtg cctgtatatt gatgcgcctg agtcagacat tcgagtgaag agttatgacc 60
 atttgaattt ctcgagagct tcctatgggt aattttgagc gtgtcgatat attatacgcc 120
 tgaatcgaac ctcatgggtga aaagttatga ccatttgaat ttcttgagag catccgttgc 180

tcattatcga gcgtctctat atgtgatgca cctgaatcgg acctccgagt gaaaagttat 240
gaccatttga atttctcgag agcttccggt gttcaatttc gagcgtctcg acatattatg 300
cgcc 304

<210> 1296
<211> 402
<212> DNA
<213> Glycine max

<400> 1296
agctttcaat atattgagac gctcgaaatt aaacatcgga agctgtcgag aaattcaaatt 60
ggtcataact tttttcacgg atgtccgatt caagcgtatc acatatacag aactcggaaa 120
ttgaacaacg gaacctctcg agaaattcaa atgggtataa cttttcacac agatgtctaa 180
ttaagggtgca tcacatatag agacactcga aaatgaacaa cggaagcttt cgagaaattc 240
aaatgggtcat aacttttcac actgagggtcc gattcaagct tataacatat cggggcgccct 300
aaaattgaac aacagaagct cttgtgaaat tcaaatgggc ataactttta actcggatgt 360
ccgatttcagg cgccttacat atagagacgc tcaaaaatga ac 402

<210> 1297
<211> 276
<212> DNA
<213> Glycine max

<400> 1297
tagagccaat tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgtcatat 60
atcgagacgc tcgaaattga atgttgaagc tcttagccaa ttcaaacgac aataactttt 120
tactcgaatg tctgattgag tcctgtaata taacgagacg ctcgaaattg aatgttgaag 180
ctctgagcca attcaaacga caataacttt ttactcggat gtctgattga gtcccgtcat 240
atatcgagac gctcgaaatt gaatggggaa tctctg 276

<210> 1298
<211> 418
<212> DNA
<213> Glycine max

<400> 1298

agcttaaaca ttcaacttcg agcgtcttga tatattacga gtctcaatca aacatccgag 60
 aaaaaagtta ttgtcgtttg aatttgctca caagttcaac attcaatttt gagcgtctcg 120
 atatatgacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattaactc 180
 agagcttcaa cattcaattt cgagcgtctc gatatgtgac gggactgaat caaacatccc 240
 agtacaaagt tattgtccgt tgaatttgct caaagggttc acattcaatt tcgaacgtct 300
 cgttttatta cgggactcaa tcagaccatc cgagtataaa gatattgccg ttgaatttg 360
 ctcagaacct caacattcaa tttgagcgt ctcgatatat gacggggact caatccta 418

<210> 1299
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 1299
 agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatct tcagattggg aatgcctcta atagcacctt tgtcaatgat attcttcatg 120
 cctcttaagt gcagatatcc aaatctttga tgccatattc tgacttcac tcttttgag 180
 gatagacatg tggaggagta actggtttct tgagggtgcc ataggtagca gttgtccttt 240
 gatctgctgc ccttcattag aacttcacac ttctcatttg tcaactaagca ttctgacttt 300
 gtgaaagtta cattgaatcc ttcacacac agctgactga tgctgatcaa gtttgcagtc 360
 agtcccttca ccagcagt 378

<210> 1300
 <211> 276
 <212> DNA
 <213> Glycine max

<400> 1300
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 atcgagacgc tcgaaattga atgttgatgc tccgagcaaa ttcaaacgac aataactttt 120
 aactcggatg tttgattgag tcccgttaata tatcgagacg ctcggaattg aataccgaag 180
 ctctaagcaa attcaaaca caataactat ttactcggat gtccgattga gttccagaat 240
 atatcgaaac actcgaaatt gaatgttgaa gctctc 276

<210> 1301
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1301

agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60
 aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
 tttctatgct tgaaacaaaa ttgattgggc ttgaatgttt gaaaagcatg tatgaaaatg 180
 atgaaacttt tggagaaatt tttaaaaatt gtgaaaattt ttcagaaaat ggtttcttta 240
 gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactaaaa 300
 aattgcttgt ttgtgaagca catgaaggag gttaaatggg gcattttggg gtccaaaaga 360
 ctctagaaac attacaagaa catttttatt ggctcatat gaaaaaagat gtgcagaaat 420
 nttgtgaaca ttgcattgta tgtaaaaaag caaagtctaa tgtaaacct catggatt 478

<210> 1302
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 1302

agcttatgag aattccaagc tttataagca aaaagtaaaa atctatcatg acaaaaagct 60
 atcaaaaagg aatttttagt ctgggtcaata ggtattgtta ttttaattgtc aattaagatt 120
 gtttctaggt aagcataaat ccaagtgggc tggaccattc atcatcaaag aagttatgcc 180
 acatggagca atgatattgg aagaccaaac caccaaaagg acatggaccg tgaatggtag 240
 caagaggata atcactgttg tccagctgca agaggcttga accataaaaa 290

<210> 1303
 <211> 500
 <212> DNA
 <213> Glycine max

<400> 1303

agctttttat tgtaatcttg aaattcagga caacactctg atttctgaaa tttttgggat 60
 atttatgggc attgaccagt cccttttcca tgacttaacc aaattaccca gtgacggtgt 120

accatttgaa agcacactaa atgacgactg gaaatttgat ttctctgcc atgatgcccg 180
ccagttgggt tgcaccaaca atgcagatat gaccggacgt cttcttgctg ggtcattggc 240
ttttgaaagc cgcaccttc actatttaaat tgtgcgtatt ctgcttcac ggtcttccaa 300
ccttgcccag gtttctgagg aagatctaata tatcatgtgg gcccttcata cagggcgta 360
acttgactgg gcacacttag tcagatatcc catgcataag gcattgcaa taaatgtcc 420
actaccatat cccacacttg tcaactctctt ttcccgccat ttcaaaatcc ctcttgatct 480
gaacccttat gttccaatca 500

<210> 1304
<211> 276
<212> DNA
<213> Glycine max

<400> 1304
tccatcaagt tatgaccatt tgaatttctc gagatcttcc gtgggtcaat ttggggcgct 60
tccatatgtc atgtgcctga atcgacctc cgtaagaaaa tttatgacca ttggaacttc 120
tctagagctt ccgttggtta atttcgagct tctcgatctc tgatgtgctt gaatcggaca 180
tccgagtcaa aagttgggac aatttcaatt tctccagagc ttccgttggt caattttgag 240
cgtctcgata tgtgatgttc ctgaatcgga cctccg 276

<210> 1305
<211> 517
<212> DNA
<213> Glycine max

<400> 1305
agcttcttct tgtttcttcc cccattttta aacaacattt ttcttaatta cctcattcaa 60
aggtgcttgc aaggtactaa aattcttcac aaatcgtcta tgaaaacttt tcacctcagt 120
cacacttcta ggtgcaggcc actcttggat agccttgacc tttcttttat caacttgaac 180
ccctttggaa ctactacaa aaccaagaaa cacaacatgg tctttgcaa aaaatacatt 240
tttcaagggt agcatacaat tgttcttcc taagcacaca caacaccgat tttaagtgtg 300
caacatgcaa atcaagggtt gtgctataaa caaggatctc atcaaagttc accaccacaa 360
atttaccat gaattctctc aagacatggt tcattaatct catgaaaatg cttggagcat 420

tagtcaaact gaaaagcata accaaccatt catataatcc atatttagtt ttgaaagcgg 480
 gttttcattt ctctccttct ttaatcctta tttgatt 517

<210> 1306
 <211> 461
 <212> DNA
 <213> Glycine max

<400> 1306
 gcttaaggac tatgattatt caacatcaca gaggtttgtg actactggtg gtgatttcgg 60
 caacccctgt tcgcaaaccg tggcgaattg gtctcccat tgagaagtat gaggatgctt 120
 acaagttggt ctactgtcca agtgtgtgca acgattgcag ttatccatgc ggtgatattg 180
 gaatatacca agatgaatat ggcaagcgtc ttgctctaag ttctgaacca taaaaagtga 240
 agttccagcg ggcttaatta ttgaattgat aaaaaacta attaaagaat aatgaataag 300
 tgtaatgaac tactttatgc ttttgctgca tatatggtaa ttctcatggt gagttccttg 360
 ccacggactt gataataaat aaacaagtta ctttctattt ttagtctttc caaaatttct 420
 tgtttctggt cgtctttgtc attgtttgca tttgggatgc a 461

<210> 1307
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 1307
 tggacaatgg tagggcaatc ttgcaaaaat cctagatgaa tttcctataa aaacctacat 60
 gtccaagaaa agaacgtact tcctgcatgg aagcggggta aggaagagaa gtaataacat 120
 atatcttggc cttattgacc tcaatacttc tactagagac caaatgccct aagactatac 180
 cttcatggat cataaaatga ctttttcaa agttaagaac aagattagtc tcaatgcac 240
 ggtcaagaac tctagagagg ctatccaaac a 271

<210> 1308
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 1308

agcttggttc agaggcgtgg agtttactat cagataaggt caaaagacta gcatataacc 60
 agaacaggag attggaagga ttccacgata atgctcccaa caagaatggg tatataaaac 120
 ttaacaagaa tgcaacttcc agcatgagaa caggaaataa tgatgctcgg gcacatccac 180
 atccgcatac accctccatt cctcctccac atacaaatgc tgggtacctt tggactatct 240
 gtaataagtg caagacacat tatgaatata tcaggacata tttgaatcaa acccttttat 300
 gtcccaattg taaacaagct tttgtg 326

<210> 1309
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 1309
 tcaaaaaatt tgaatgggtca taacttttca cacgaatggt ccattttggg acataagata 60
 tcaagacgct tcaaattgaa caaccgaaac tcctgaaaaa ttccaatggg cataacattt 120
 cacacgaatg ttccattggg ggacataact tatgtatagc ctcgaaattg aacaacctta 180
 gttctccaga aattcgtaat gtcataacat ttactccga tgttccattc gtgggcctat 240
 tatatggaga cgctcgaaat tgaacagcgt gatgttaatt 280

<210> 1310
 <211> 716
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1310

agctntgatg caacatttgg agaggttaat gaaacaacga gatgatgcgc tccatgagag 60
 gttggatcaa atggagaata gagatcatcc tgaagaagaa aggaggaaaa gaaggaatga 120
 tgggtgttct aaacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
 aaagaatgat ccggaagcct acttgagtg ggagatgaaa atagagcatg ttttctcatg 240
 caacaactat gaggaggacc aaaagggtgaa gcttgccgcc acggagtttt ccgactatgc 300
 tcttgtgtgg tggaagtgat tatgcaagtt gaagtggacg ttccattgg gaaatacaat 360
 gataaggtac tttgtgatgt tgttctatg gaggccagtc acttactttt ggggagacca 420

tggcaatttg ataaaagagc ccatcatgac ggttacacca accagatctc tttcattact 480
 ttggtgttgc ataaaaaatg tacacatgta gtcggctagg tttttgtcc caaccttacc 540
 cactttttgt ttctagccaa attggcttgt tccattattt tgcccggaaa aatttaccce 600
 ctttgcaaaa aaatattgct ttcaacttat gccttttttt tagggatgaa ctgaaccttt 660
 ttcccgcatg gtcggtaaata accccaatta atctttcgcc ccttgccaa tttttt 716

<210> 1311
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 1311
 agcttataat atatcgatag gctcgaaatt aaacatcgga aactctcgcg aaattcaaatt 60
 gggcataaat tttcacacgg atgtccgacc cgggcgcata atatgtcaag agtctcgaaa 120
 ttgaacaacg gaagctcttg agaaattcaa atggttataa aatttcacac ggatgaccga 180
 ttcaggcaaa tcacatatcg agacgatcag aattgaacaa cggaagctct tgagaaattc 240
 aaatgggtcat aacattttatc tcgaatgtcc aatttaggcg catcacatat agtgatattc 300
 gaaattgaac aacagaagct ctcgagaaat tcaaattggc ataacttttc aactgaagt 360
 ccgattcacg gttataatat atcgatacgc tcgaaattaa acatcggaag ctctcgagaa 420
 attcaaattg tcatgaactt ttca 444

<210> 1312
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 1312
 agcttggtta tctccttctt cactacatca ataaccaccg ggttgagtct tctctgttgc 60
 ttggttactg gtttagctcc atcctctcca tttattcgat gcatacatgt ggatgggcta 120
 ataccacgaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaactaac 180
 aacaacttct cctcttgctc atcagcaagg gaggcagata taatcactgg aaaactcttg 240
 ctatcatcca agtaagcgta ttttaaattt tatggcagag gcttcaattc tgggtgtggc 300
 aactggacag tggtagaaaag agatgggttc ttagccttta cctcataaag aaaagcagat 360

gtatgtgtac tttttgaaac tggtagtcc tatctgactc tataaaatca atctcaa 417

<210> 1313
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 1313

agcttgctaa cccatggaag cttgataacc cattcttctt tccttaagac atgatgcata 60
 agcctcataa aggtgcttgg tgcattaatg agcccaaaaa gcatcactag ccattcatac 120
 aaaccaaact tggctcttgaa agcggttttc cactcatcac cctttttcat cctgatttgg 180
 tgataaccac ttttaagatc aatttttgaa aaggatttgg caccatgcaa ctcatcaaga 240
 aaatcatcaa gtctaggaat ggggtgccta tactttacag tgatgttggt gatggccctg 300
 caatctgtac acattctcca tgtaccatcc tttttgggca ccaacaacac tggcacaaca 360
 catgggctta ggctctcttg gacccaaccc ttctccaaca attctttaac ctgagactct 420
 atctcttttag tctcccgagg gttagtcccta ttggctggcc ta 462

<210> 1314
 <211> 552
 <212> DNA
 <213> Glycine max

<400> 1314

tcatgatgat gattcaagta tgaatcaagt agttttgatg atgaaaaaaa gcccaaaaga 60
 atgatttcaa gattcagtca acaagttcaa gatcaagatt aatttcatgt ttcattgagaa 120
 gaaatcaaga agattcaagt ttcaagagaa gtttgatttc aagattcaag agaaggtgaa 180
 ttcaagattc aagagaagaa atcaagaaga cttcacaagg gaagtattga aaagatgttt 240
 caagaaacaa acatagcaca attttgtttt tcaaaagagt ttttctcaa attttctaag 300
 ttaccagagt gtttactctc tggaatcga ttaccagttt cctgtaattg attaccagtg 360
 acaaagtttg atttgaaaag cttttaactg aatttgcaac gttccaattg atttttaaat 420
 ggtgtgatcg attacaatat attggtaatc aattaccagt gtatcattga aattcaaatt 480
 atattgtgaa gagtcacatc ttttcataaa atgctttgtg taatcgatta catggttatg 540
 gtaatcgatt at 552

<210> 1315
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 1315

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 aaccaaacgc ggaaggtttt ttggtgagg tagccatgga aaagcagagc gtttggaaatg 120
 atttcgtaaa tctcacaatg ctattgggaa atgctggtaa aaacacgaat gccaagcaga 180
 tataaatttg aatgaagaat gtataggggc gtgtgaggca acggtcgaat tcgttttggc 240
 ttaatatga acgtgctatt aatgttaagt gattcgtttg ggcacgttca gattgctgta 300
 gctgctataa ttcctctagc aaacaaatgc ccagcttgcc cctcagtttt tcaaactgat 360
 ttgca 365

<210> 1316
 <211> 501
 <212> DNA
 <213> Glycine max

<400> 1316

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 accaagagca gctaagtact gcaatgcaat tttagctgtt tctgttttcc cagatccact 120
 ctcgccactg cgaacaaatt tctaacaatg attattaaca agcacaccag tgaatgtatc 180
 ttattactac tatgaaaatc caatgatatt gggttaggaa catatattaa gtgtcatgca 240
 caaaatgtag ccataaatg cagtaaggag ctgaccttat gataatggac tgatttactt 300
 catctgtaag atacaaaaag aaaaagaaaa cctttataaa tgtctcattc aagtagaatg 360
 caaagattgc aaagaaggga agagaaaggg agaatttcat tcacctctta tcaccttggt 420
 ataaagccga tctgccacag cataaacatg aggactatca ataattctct gcctataagc 480
 tgagacagaa tcatttccat a 501

<210> 1317
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 1317

tgcttctaca attgacatat actttgacaa tgttggggga gacatacttg aggcagccct 60
tcttaacatg agaaggcatg gacgaattgc agtggccaga atgatctcac agtaagatct 120
tgatgagcct caaggcataa agaacttagt gaatatcata tacaagcaga tcaaagtaga 180
agccttcaca gtttatgatt actatcacct ctatcctaaa ttcttggata ctgttttgcc 240
ttacattagg gaagggaaga taacatatgt tgaagacata actgagggtc ttgagaacgg 300
tccaattgca ctagaagcaa tgttccaagg tcgtagtgct ggtaaacaag tcattatact 360
tgctcgtgaa taatttagta caaccttact gtttgatctt tcaattcatt ttgggtgtgt 420
tgtaactctc atttg 435

<210> 1318
<211> 470
<212> DNA
<213> Glycine max

<400> 1318

ctgatggtgt cgagaagaaa tcacatgttt ggcacatca aaaaggggga gaatgtgaat 60
gtatgtatac atgattttga tgatgccaaa gaaaaatcaa acaagggttg ttcaaatgat 120
aagcatttgc ttcaagaata attcaagagt gcttcaacaa acaaagcctt gtttcaagat 180
tcactaaaga ccaagccttg ccttaaaaca aagtgtttc aagacatgca aagctctggt 240
aatcaattac cacgaagtgt aatcgattac cacaagacat ggttgagaaa tagctgttga 300
aaaagggttt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt 360
accagcaacg aaactttgga aattcaaatt ccaaagtcac aacccttcaa attataactg 420
tgtaatcgat tacacaaaca ttgtaattga ttaccagtgg aaagttttca 470

<210> 1319
<211> 391
<212> DNA
<213> Glycine max

<400> 1319

agctttcact cggagggtccg attcaggcgc ataatatatc gagacgctcg aaattgaaca 60
atggaagctc ttgagcaatt caaatgggtca taacttttca ctctgaggtc ggattcaggc 120

gcattgtata ttgagaagct cgaaattgaa caatggaacc tcttgagcaa tttaaattgt 180
 cataactttt cactaggagg tccgattcag gcgcataata tatcgagacg ctcgaaattg 240
 aacaatggaa cctcttgagc aatttaaattg gtcataactt ttcactcgga ggtccgatcc 300
 aggcgcataa tatatcgaga cactcgaaat tgacaatgga agctcttgac aattcaaattg 360
 tcataacttt tcaactctgag gtccgattta g 391

<210> 1320
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 1320
 tcaacatcag accacttcca ggggtgctgga actacttcac atggatttga tggggcctat 60
 gcaagttgaa agccttggag gaaagaggta tgccatgtt gttgtggatg atttctccag 120
 atttacctgg gtaaacttta tcagagagaa atcagaaacc tttgaagtat tcaaagagtt 180
 gagtctaaga cttcaaagag agaaagactg tgatcatcaag agaattcagga gtgaccatgg 240
 cagagaattt gaaaacagca ggttcactga attctgcaca tctgaaggca tcaactcatga 300
 gttctctgca gccattacac cacaacagaa tgggatagtt gagaggaaaa acaggacctt 360
 gcaagaggct gctcgggtca tgcttcatg 389

<210> 1321
 <211> 513
 <212> DNA
 <213> Glycine max

<400> 1321
 agcttgtgct aaaggaagta agacatgtgt ttgagatgag tttaaactt acctcaacat 60
 gaaagctaga tgaagatggg atgataaacc agttcgatac agatagatgg aagcttacta 120
 gaggaagcat ggttgttgct taaggtaaga aggaaggctc attatacatc atgcagggaa 180
 agatatgcaa aggaagaca aatgttgctc aagatgcaac caaagaattg tggcacaaga 240
 tattgggtca cttgagttag aaaggtttga agtttctagc aaatgatcac tttccaaaca 300
 taaagaggca accacttgaa tccttgaaga ttgtcttgca ggtaaataat gcagagtgtc 360
 tttccaaaga ttgaatgaac tagaaggaga aagcaaatcc ttgatcttgt ccacttagat 420

atttgctcaa tgtctaaaaa gtcccttggt ggtgcccaat accttggtac cttctttaat 480
 gattactcca acaagctgtg ggtggattcg ttg 513

<210> 1322
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1322

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 tcttaagaca gcaatgtaaa gatgtagggt atgataatag caaggcaa at tgaaatagaa 120
 tatgtatatt gttatttcat tgatcctttg catgatatat ataatacatg tacaagaatg 180
 ttctatacca attctaaggc atgacagacg tgatccataa tcagtggcat ctgattttatt 240
 ctatgcatta taaggtaaat aaatatagaa tcaaggtaac atangaaagt aaatatatac 300
 acagcatatt tgcaatcatg tagaagatat ttctaatac tccccctcaa gttggtgagt 360
 gaatatcgtg aagtcccaac ttgttgcgca atgtcacaaa ttgatctttt tccaaagctt 420
 ttgtaaacac atctgctagc tagaattttg ttggcacata agaaaagatt gatcatccca 480
 gcttgtagtt ttttcccgac tatatgacaa tcatttccat atgtt 525

<210> 1323
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 1323

ttctctgagc acgttcatca tccacactgc ttgacaagca ccaagtgatg ctgccacata 60
 ctcaacttca gaggtagaca aggccaccac atcctgcttc cttgaactcc aagccactgg 120
 tgcacatag tacatgaaca aataccctcc agtactcttc ttctgttctg gatctctttt 180
 ccaatcagaa tttgtgtaac caaacagatc tgattcatat gattcaactt caaaagggaa 240
 caacacacca ttgtcaattg tccctttaac aaacctaagt attcttttgg ctgcttgcat 300
 gtgtgaaagt ctaggttttt gcatgaacct gctaataaac ttacttgcaa gcagatatca 360
 tgtatgctgc tgcataagta cctca 385

<210> 1324
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 1324
 ttgcatcaga caaagatgat agcaaattcca ttttaggata tgtttacact ttaaattggtg 60
 gtgcaataag ttggaaaagt tccaagcaag ctatggtagc agattcaact actgaagcag 120
 aatatatagc gacaagtga cccgctaaag aagctgatag gataaaaatg ttcatagttg 180
 aacttggtgt ggttacttca atagaagaga cgggccatt aacgtgac aataatggg 240
 ctattgctca agcaaaggaa ccaagatcac accaaaagt ccaacatatt gtggaagg 300
 atcacttgat tagagagata atacaacgag gtgacgttaa gattgaaaat gtttatggaa 360
 aggagaatgc aacaga 376

<210> 1325
 <211> 464
 <212> DNA
 <213> Glycine max

<400> 1325
 aactatata atactcagc ttcactgaat agcttggtt attgaagaat attcttcttg 60
 aatagaacac gttacccaaa aatcagtac aggcaataa gatattatgt ctgacata 120
 tggagtacca aaaaatacat gcatgcccta ataattacat tttgtataga aatcagttg 180
 tcgaaacaca caaatcccc acaagtgggt atcacagtac aaattgaagg ataacacatg 240
 tggatgat gcaacgaaaa acaacaacta tttatcaaag gtgtgcta atctttcaat 300
 tattccaagg ttgagtgat tgttttctaa tggacatgat accaaaaaac ttaacatggc 360
 atgcagctgg tagaaaaagt gatggattgc tccaacatcc cctgattat ccctaataga 420
 agacaattga tcatttgat cctaaaattg cataggacct atga 464

<210> 1326
 <211> 550
 <212> DNA
 <213> Glycine max

<400> 1326
 agcttgctcag cataagcatt gccttcattg tagatatga aaattctaaa actaaacttt 60

ttagttggat ctatacaatt cacctagcag ttgtaaaaag tccagggggc tgaaaaagga 120
 tgattatata atgcacaata ttgaaaatat tgttgtatga ttgtgctaatt cctaattgta 180
 ttgagaatat tgctacatga ttgtgctgat cttaattgat tctatttgta ttaattctga 240
 ttgtatgtat taattcttat tggattttta ttttattttg tatcttgatc tcttgattat 300
 tgggatcact tatttttagg atagatagtt gtatcagata tgtcaggaaa agctataaga 360
 gaaatcttag ttaggtgggt ggatgacctt gtatatatat ctatcaattg tttttaatag 420
 aggcagaaca acaaggagga ggtgaagcaa aagctaagga gaatgaaact cgagatgtca 480
 ttgaagatca aggaggaggt gaaaaagcag ttcgacgtcg atttcttggc ggtggcttga 540
 taccgccgaat 550

<210> 1327
 <211> 527
 <212> DNA
 <213> Glycine max

<400> 1327
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 aaattctaac agtaagttaa caaggcttgc cagacttcca acaaaatttg tccatcctct 120
 acaactttca agaacacatt ttctctcaaa atatcaagct gacacatgcc acattgttat 180
 tcaaagtaga tttttcattc acaggaattt caggcacatt attgcataaa aagttataga 240
 caccttgatc agttaataaa gacattagaa gctgctttac tgccaaaatt aaacgaaaga 300
 ttttcttttt tattggtttg aattacagat agtttaacag cttgtggata atatcaacca 360
 caggtttctt tttcctgtca tcatggcata gcaaaggcca agtatgagaa ctgaaatatg 420
 gaaaacatgt tggtaatcaa taccttaata cattgatgta ttccgaagca attccttccc 480
 acattatttg ttggaaaaag aggatcatct atgtgaattg gatcaat 527

<210> 1328
 <211> 523
 <212> DNA
 <213> Glycine max

<400> 1328
 agcttgccca gagaaggagt ccacagagga aatgcttacc acctcaaaag actggaaagc 60

gggtttctaata gactcctctg cggcctccac ataaggcata gaagatgggc agtcaccaa 120
 gatgtcttcc tcgcctgaca cgatgaccaa atgcccctcc actacgaatt tcaacttttg 180
 gtggagtgtg gagggcacia ctcccattga gtggatccac ggacgcccc aacagacagct 240
 gtaggggggg ttaatatcca ttatttgga ggtgacttga caggtgtgag ggcctatttg 300
 tactgggaga tcgatctctc ccctaacctc tcggcgagtg ccgtcgaagg cacgaaccac 360
 cattgaactc ggctttaagt gggaagcatt gaatggtaat ttctccaaag tgctcttttg 420
 catcacgttt aaactggaac cattatcgat gagcactttg gctacgatat ggtccatata 480
 cttgactgat accgtgaaag cctttgtatt gccctctccc cct 523

<210> 1329
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 1329
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 agtcccgaag aagactggcc tcacagtgat cagaaatgag aaggaggagt tgattcctac 120
 tcgggtgcag aacagttgga gagtctgcat tgactatagg aggetgaacc atgttaccac 180
 aaaggaccat tttccctgac cattcattga ccagatgctt gaacgcttg caggtaaatc 240
 ccactactgt ttccttgatg atttttctgg ttatatgcaa attactattg ctccctgagga 300
 tcaggaaaag accacattca cctgccccct cggcactttt gcttataaga agatgccttt 360
 tggcctgtgc aatgccctg gtaccttcta gcggtgcatg attaataatt tcagtgattt 420
 tttagaaaat 430

<210> 1330
 <211> 237
 <212> DNA
 <213> Glycine max

<400> 1330
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 tcaatttcga acttctcgat atgtgatttg cctgaatcgg acatccgtgt gaaaagttat 120
 accagttgaa tttctcaaga gcttccgttg ttcaattttg agcgtctcga tatgtgattt 180

gcctgaatcc gacatccgtg tgaaaaggta tgccccctga atttttcacg agctttc 237

<210> 1331
<211> 358
<212> DNA
<213> Glycine max

<400> 1331

agcttatata tatcgattcg ctcaaaatta aacatcagaa actctcaaga aattcaaata 60
gtcataacta ttcacacgga tgtccgattc gggcgcataa tatgtcgaga ggctcgaaat 120
tgaacaacgg aagctgttga gaaattcaac tgggtataact ttttacaccg atgtcccatt 180
cgggcgcata atatgtcgag aagctcgata ttgaacaacg aaagtctttt agaaattcaa 240
atggtcataa cttttcacac ggatgtccga ttcaggctta taatatatcg atacgtccca 300
aattaagcat ccgaaactct cgcgaaaatc aaatgggtcat aacttttcac acgggatgt 358

<210> 1332
<211> 286
<212> DNA
<213> Glycine max

<400> 1332

cgaatcagac atccgtgtga aaagttatga ccatatgaat atctccagag ctaccgttgt 60
tcaatttcca gcgtctcgat atgtgatttg cctgattcgg acctccttgt gaagagatct 120
gagcatttac atttgacgag agctttcggt gttgaacttt cagcgtctcg atatgagatt 180
ggcttgaatc ggacatccgt ttgaaaactt acgaccattt gaatttctcc agaactatct 240
ggtgagaatt tccagcgtct ggacatatta tgtgcccgaa tcggat 286

<210> 1333
<211> 349
<212> DNA
<213> Glycine max

<400> 1333

agcttataat atatcgatac gctcgaaatt aaacatcggg aactctcgag aaattcaatt 60
tgtcatcatt tttcacacgg atgtccgatt cgggcgcata atatgtcgag aggctctaaa 120
ttgaacaacg gaagctcttg agaaattcaa ctgggtataac ttttcacacc gatgtccgaa 180

ttaggcaaat cacatatcga gacgctcaaa attgaacaac ggaagctcct aaaaaattga 240
aatggtcata acttttctact ctaaagtcca attcatgcgt atcacctata gggacactcg 300
gaattgaaca acggaagctc tcccgaaatt caaatggta taacttttc 349

<210> 1334
<211> 345
<212> DNA
<213> Glycine max

<400> 1334

agcatctcaa tatgtgatgt gcctgaatcg gacctctgtg agaaaagata tgaccattag 60
aatatgtgga catcttctga agttcaagt atagagtgtc tcaatatgag atgtgcctaa 120
atccgacctc cgagtgaata tctatgacaa ttgaatttc tcagaatctt acgctggta 180
ataaagagcg tccccatatg tgatgtgcct gaatccgact accctgtgaa aacttatgac 240
cattttgaat ttctccaaa gaatttgctc ggccatatgg agcatccatg atatattagt 300
gcgactgatt cccacattcg atggaaaagt tatgaacttt taaat 345

<210> 1335
<211> 443
<212> DNA
<213> Glycine max

<400> 1335

agcttctggg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatct tcagattggg aatgcctcta atagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatatcc aaatctttga tgccatattc tgacttcac tcttttgag 180
gatagacatg tggaggagta actggtttct tgagggtgtc ataggtagca gttgtccttt 240
gatctgctgc ccttcattag aacttcacac ttctcatttg tctaagca ttctgacttt 300
gtgaagttaa cattgaatcc ttcacacac agctgactga tgctgatcaa agttgcagtc 360
agtcccttca ccaacaggac ttgtccaga ctaagaaagt catcatggac tataactccc 420
attccagaga tcttttcttt aaa 443

<210> 1336
<211> 521

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1336

tcactgaata gcttgtgtta ttgaagaata ttcttcttga atagaacacg ttacccaaaa 60
atcagtagca ggcaaataag atattatgtc ttgcacatat ggagtaccaa aaaatacatg 120
catgccctaa taattacatt ttgtatagaa atcagtttgt cgaaacacac aaatacccca 180
caagtgggta tcacagtaca aattgaagga taacacatgt agtgatgatg caacgaaaaa 240
caacaactat ttagcaaagg tgtgctaata tctttcaatt attccaaggt tgcagtgatt 300
gttttcta at ggacatgata caaaaaaact taacatggca tgcagctggt agaaaaagtg 360
atggattgct ccaacatccc gttgattatc cctaatagaa gacaattgat catttgtatc 420
ctanatttgc ataggaccta tganacctaa ggcttggctc tgcttcagct ggaatgaatc 480
atgttggtaa cttaagcacc aaccataatt catggcatgt t 521

<210> 1337
<211> 451
<212> DNA
<213> Glycine max

<400> 1337

tggaacatat aaactgaatc ctaggcccc ttaaggactt aatcaaaata ttgctggct 60
gatcattaga attaataaac tcagtataa tttctttgga cagtagcttc cccgaataaa 120
gtgacagtca atctctatgt gcttgagcct ctcatggaag actgggtttg aagcaatgtg 180
aagagcagcc tgattatcgt agtataactt catttgcacc actctgcaga atttcaactc 240
ttcaagaatt tgtttacca cataagttcg catgtaacca taccataga tctgtattca 300
gcctttgcac tagatcgagc aacaacaatt cgcttcttgc ttttgcaaga aataatattt 360
cctcgaatgg agacagacac aatatcctga tgtggatctc ctatccatgg gatatccaac 420
ccagtgtgca tcacagtacc cacatatttg t 451

<210> 1338
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 1338

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tgcttctatg tccttttcat tgccttaatt gttgagtaat ccttgaaaaa ttgtcttggt 60
aaaattccat tggtttagct ttcatttcat tttatttggg ctttggttat tacttgtctc 120
tttgtttcct tgtttgttgg ttgcatata gggaattgga aggaggattg gtgcatccc 180
ttgaagaatt tgagttaaga agaaaggggc caaccacctt aagagctatt ggactaagaa 240
gcactccaaa ttgagtgaat caccaaagag agaacaacca ccaaaattga ggactgttct 300
gtaattttgt aatttgcaat ttacttacct tcattgcttt caagttttgt aacaaaaagg 360
cgtttcattg gaagtgtgtt gggagcctcc aattgggtac caaacttcca tttgtgtgta 420
ataattttag gcaatntttc cttangatag tgagtgtttt gttgggaacc ttgaatgtgg 480
tca 483

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<210> 1339
 <211> 521
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1339

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agcttgccca gagaaggagt ccacggagga aatgcttacc acctcaaaag actggaaagc 60
ggtttctaata gactcctcta cggcttccac ataaggcata gaggatgggc agctcaccaa 120
gatgtcttcc tcgcctgata cgatgaccag atgcccttcc actacgaatt tcaacttttg 180
gtcagagtgtt gagggaacaa ctctactga gtggatccac gggcgcccca acagacagct 240
gtaggggggg ttaatatcca ttatttgga ggtaacttga caggtgtgag ggcttatctg 300
tactgggaga tcgatctctc ccctaacctc ttggcgggtg tcgtcgaagg cacgaaccac 360
cattgaactc ggctttaagt gggaagcatt gaatggtaat ttctccaaag tgctcttatg 420
catcacgttt aaactggaac cattatcgat gagcactttt gctacgatat ggtccatata 480
cttgatngat acgtgcaaag ctttattatg ccctctcccc t 521

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<210> 1340
 <211> 586
 <212> DNA
 <213> Glycine max

<400> 1340

agcttgcata agacccatat atagtttata atttgccta ttgtcttatt gaacatgagc 60
aaaaattgca tcccattttg atacaattaa tctttcttta atcacttttg tttgttggtg 120
tagtctttca ttatgaaaaa aatctgaact acatagataa caattagaaa aagtgggtgat 180
tgtggcaatg atcactttta aatagtcaat aaaaaaaat cccttaaact cccacatcta 240
attctcttg accatgaaaa aacatgacag ttaaaaaataa aacaatttga atatgtgatc 300
cctggactat attaataatg taatgattaa attaatagtta tgattttctt ttatgtgtag 360
aatcaaata taatattaaa aatttataat aactcacaca ctctactcaa tcaaactaat 420
aagatttttt aaaagattaa atattaatga tgataagaga aaattatgta tttcttttta 480
tttattctcc atgaagataa gggatttgat aacagacgaa atccccctta tcatacataa 540
catcaacatt atatcaagga aaaaaaaact atatgaattt caataa 586

<210> 1341
<211> 478
<212> DNA
<213> Glycine max

<400> 1341

ctaagcttct atgaagggtc gttcctaatt tctctacaat tgcattcacct ctcaatgagc 60
tggtgaagaa aaatgtggca tttacctagg gtgaaaaaca agagcaagcc tttgcttttc 120
tcaaagaaaa gttactaag gcacttggtc tagctctttc tgacttttct aaaacttttg 180
agctagaatg tgaagcctct ggagtgggag ttggagctgt attgttaciaa ggtgggcacc 240
ctattgctta ttttagtgaa aaaattcata gtgccaccct caactacccc acctatgata 300
aagagcttta tgccttaata agagccctcc aaacttggga acattacctt tgttccaagg 360
aatacgtcat ccatagtgat catcaatcac ttaagtacat tagagggcca agcaagttaa 420
acaaaaggca tgcaaatgg gtagagtacc tagagcaatt tccatatggt atcaaata 478

<210> 1342
<211> 514
<212> DNA
<213> Glycine max

<400> 1342

ctcagcttgc attcctctct tcccttaaac ttcttttatt tattgctatt tatcttttgc 60
 tttaaagaag tttattttga attgtctttt gagtaattca tgtaagggt gcattgttaa 120
 tccaaaaaga aagagtgata gttcaattgg ggaatagtct ttgcatctta attcaacccc 180
 cctttttctt aaggtaactg aggccatttg tcccacatcc tattcttgat aactcacttc 240
 tctctaaaaa gacaaaatga ggtcacatga acgtctatat ttttacttga aaacacagtc 300
 aatcaaatgc cttttttatt ttttattttg aaacttattt tgaaacttat ttgctttgaa 360
 ctttactcgc tgttttaaga cccccccacc aacgtgcaag acgagtaatc tctgattgaa 420
 cagtcttaga agtcaacact caagaacgca agtcgcttga gccaacagaa ccatggcttt 480
 gccccacatt ccagtgaag ttgaataacc aaca 514

<210> 1343
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1343

gctttgaaan ataataactt gaattttaaa ataccattt tctctcccc tttggcaaca 60
 tcaaaaaggc caaagtgcgt gaaacatgaa taatttaatc atacacaaag cataatttgt 120
 aaaacaaaca tataagattc taaaaacata cataaagcat aattttaata aaaccaaatt 180
 gagatgcaaa ccacttagtc atatatcaca aaataaccaa gtctaagtat aaaacataag 240
 catctaagtg ccaaataaag acaccaagat cagtcataat taactaagta ccaaatacct 300
 aaaacataac taatgttcac agaataaata aataacataa tgggtgtaaatt cattcacaaa 360
 acataataaa ag 372

<210> 1344
 <211> 505
 <212> DNA
 <213> Glycine max

<400> 1344

ttgcaatcac taagagactc ttttaacaac gatagactaa gacttagctt tcttattgat 60
 ctttggtttc ttggtcttga tttggactta aaataaaact tgtgtttctt ttgtcttggc 120
 atcatcaaga ccatcataca catacattca caaacatcgc tatattgtcg taacaaccba 180

ttgtcttttg aaccatggat cctccccact caagtttttg tgttatgcat tgtaaategc 240
 aacgtgtctc atcaatcgga tgccctctct cactactaac gaaaagtctc cattagaagt 300
 cttgtttcat cgtccatcaa attatagtaa actaaaagct tttggttatc tttgttttcc 360
 ttggttact ccatatacaa ctaacaaact tcagaccaag tccgtaccat gtgtttctta 420
 gggtacaatc ttactcaaag tgcatactct ttgttatgat ctttcagagt ctaagttgtc 480
 acctcccga tgttgaatca ttgaa 505

<210> 1345
 <211> 481
 <212> DNA
 <213> Glycine max

<400> 1345
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 attagctctg ttgtttttt ggggtcttca gctttatttt tccccctgca gaagcatcta 120
 gcaatttctt ggtttgtggt atcagcccat ctataaacat attcaattga attgtcttgg 180
 aaaacctatg ggtgggagtt cttctcaata aacctctgaa cctctccaat gcttcaactca 240
 tagattcatc acggaactga tgaaatgaag agattacagc ttcccttcc gcagtcttgg 300
 actctgggaa gtatttcttt agaaactttt caacaacttt ttcccaagtt ttcagactgt 360
 tacccttaaa taagtgaagc cacctcattt gctctcttgc caatgagaat gagaatatgc 420
 tgagtcta atgccttatct ggcacaccgg caatcttaac actgttgc attttaatga 480
 a 481

<210> 1346
 <211> 637
 <212> DNA
 <213> Glycine max

<400> 1346
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 tttatgtagt attttgctac cttttgtcct gtctcatacc tatctgcttt gtattggatc 120
 atccacaggt tcccggtctc atgagggaaa gcagtttctg ttgatggatt ctcagccatt 180
 cttccaccat aagggttgaa atacattact gctttctcta attcaatcat cttcttccaa 240

atccctccca accctccttg ggtattggc tcttcacata gtcagatttc cttttcaagt 300
 acttgagaga ccaaggttgt ctctctagca aaatctcaac tggggttgca atgtccatgt 360
 tgtaccaaaa cagcacggat tgaagccagc ttgtttcgat gcattcagat tgcttcaacc 420
 ccaattaagg agacctctcc tccatgacag aaaacagagt tttggagtcg ctgaggaaga 480
 gagctatgaa ggtagccct cactgtcttt atgatcttct gttggagata attctgttcg 540
 agacattggt gatcaactaa tatggacact tcttcaaatt taagtcttga ttcatcacgt 600
 tgctggagac tattaacccc tttgttggt ctcaact 637

<210> 1347
 <211> 585
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1347

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 atggcttttg ttactgtcaa ctatttgagg ttcaaataaa tcagggtcca cagatctttt 120
 gtcatttggt tcaatagttc atttcatttg tatataactt ccgtgtgatt taatcatgat 180
 gtgatacatg tgcatttgaa taaattctta taagcttggt caactcattt gaagtttttg 240
 tttgtttgaa gtccgtgaat cataaaattc atgtttataa tactattgtc tggctcaatg 300
 cagtgcatac agaggactat acattctcaa ctggatctat cgctacttta ctgagcccca 360
 ctttgtccat tggataagta tgattctctc ttattgtggt ttatgggtac tttttttttt 420
 gcttctacgc ttattataat tattaagtaa ctacactctg cattattcac tactatgtct 480
 tgtggaacct tttcatcgca tttttttaag ttcatacttn taaaattctt catacctgag 540
 atgcatttgt gacgttggtc aaaatgtttt tcccttatca taca 585

<210> 1348
 <211> 464
 <212> DNA
 <213> Glycine max
 <400> 1348

tctagccaaa tggacttacc ttgaattaat tcttttgata gccctttga gcctattttc 60

ccctttcttt gttttgaagc tcattacaag ccttaagtga aaaaaccatg atatcacctt 120
 acccttaagg aattatggag ctttggaatt gttttgggaa taagctggga ataagtgtgt 180
 gtgggggggg gggggggccat ggatccctcc cactcaagtt ttggtgttat gcattgtaaa 240
 tcgcaacgtg tctcatcaat cggatgccct ctctcacact aaacgaaaag tcttcattag 300
 aagtcttggt tcacgtcca tcaaattata ggtaactaaa agcctttggg tatctttggt 360
 ttccttgggt cactccatat acaactaaca aacttcagac caagtccgta ccatgtgttt 420
 ttaagttaca tcttactcaa aggcatactt tttgttatga tctt 464

<210> 1349
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1349

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 tttgagtatg tagcttttaa gataatcgga attataactt tctaacttat taaaaaatga 120
 ggatacttta ataaatcttt gattagaatt tataataagc aaatattttt taatatacat 180
 atatatatat atatatatat atatgaagaa ttttaattat gatataagat tctctaacta 240
 ttgataattt gttttaaaga atattaagat gtaatctaca tataaagata aatatagaag 300
 gtcgaaagag gtaaactatt aagtatatta aatatgtaaa taaagataaa aagagaatag 360
 tttgaaatag ttgatagaaa aaatagttga ctagtttttag aaataggctg tgaaatgtat 420
 gtgtgaaatg cntctccnac gatgagaaga gagagag 457

<210> 1350
 <211> 407
 <212> DNA
 <213> Glycine max
 <400> 1350

ttgagccaat tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgtaatat 60
 aacgacacgc tcgaaattga atgttgaagc tctgagctaa ttcaaacgac aataactttt 120
 tactcggatg tctgattgag tcccgtcata tatcgagacg ctcgaaattg aatgttgaag 180
 ctctgagcca attcaaacga caataacttt ttactcggat gtctgattga gtcccgtcat 240

atatacgagac gctcgaatt gaatgttgaa gctctgagcc aattcaaacg acaataactt 300
 ttactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat tgaatgttga 360
 agctctgagc caattcaaac gacaataact ttactcgg atgtctg 407

<210> 1351
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 1351
 catgcaagct tggtaagaa gattcctaaa aaagttagag cttactaca cacacctctc 60
 taatagctaa gctcaccttc ttgagatgag aagctagagc ttagctacac acccctataa 120
 taactaagct caccctatg ccagaaaaa catgaaaata caaaaaagt ccttactaca 180
 aagactactc aaaaggcccc gaaatacaag gctaaaacct tatactacta taatggccaa 240
 aatacaaggc ctaaacgaag aaaaaacctt ttctaattac tacaagata agcgggctca 300
 tacttagccc atgggctcga aatctaccct aaggctcatg ataaccctaa ggctttctc 360
 tggattatct ggccc 375

<210> 1352
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 1352
 agcttgctta agaagattcc taaagaagct agagcttagc tacacatacc tctctaatag 60
 ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
 aagctcacc ccatgacgaa aaacatgaaa ataacaaaga aaagtcctta ttacaaagac 180
 aactcaaaat tccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240
 atggcctaga cgaaggaaaa acctattcta atatttaca agataagcgg gctcatactt 300
 agcccatggg ctcgaaatct accctaaggc tcatgagaac cctagggcct tctcttgat 360
 ctctagccaa tctaattgga gtc 383

<210> 1353
 <211> 510

<212> DNA
<213> Glycine max

<400> 1353

tgtgcggtga actaacctcc tttaacatgg aattgtggtg caattgtgat ttgatacaaa 60
ttgatttaac taagaagggc aggaaaaata agggaaagat catatttgat gtggacatcc 120
ccacagatag tgttttcaga ttatagctta cacagaatgt tagcataaat atagttcaaa 180
tggctgaaat attttacttc ttagaattca ttcattatat tattactaat ttaaggatcc 240
tgggtgacaaa tatgattgtt ttaaattgaca tcaaaagtgg atgaatttga ggtgtaaatt 300
tatattgtat gtttgacttg aaattggtga gaacgacaag aggggtcatg tgataaatta 360
ttggcttttc aactattgat agattagttt tgccaattcc tgcataagta gattattata 420
ttgacgtggt gatttgttta gcagacattt gtcattggaac ctgcatttct tccttcactt 480
attattgata tatttaaaag agtttggaag 510

<210> 1354
<211> 582
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1354

cttggatctt cttcatcaat ggagtcctat gcttcttgaa ttttaatcac aggggaatgg 60
aaaagaagaa gagttgagag gagacaccac ttcaaggaga agatgagtca agaagaagct 120
caccaccata gaaagccatg gataagagct tgaaggtaga agaagatgaa tggagggaga 180
gggagagaag gagcacgaaa ttttatgcct caaaagaggt ctgaactttg aagtttaatt 240
ctcaaattgat caaagttgaa aaaattcaca cacatggcct ctatttatag cctaagtgtc 300
acacaaaatt ggagggaaat ttgaatttct attcaaattt cacttgaatt tgaaattgaa 360
tttgtgaagc caaattttgg agccaaaatt tcaactaatta tgattagtga attttagcta 420
tggttcagcc cactaatcca agatcaagtc caagattctc cactaagtgt gcttaggtgt 480
catgaggcat gntaagcatg aaagacatgc acaaagtgtg actatatgat gtggcaatgg 540
ggtgtagcaa gcaaattgtc acctccctc tcaaatttaa tt 582

<210> 1355

<211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1355

tgcaaacc aa atgctcacca ctattagagg agaaatcttt aagttgtttc atataaacct 60
 cctcctctaa atcaccatta agaaaagttg ttttcacatc catctgttgc aactcaaggt 120
 caaaatgaga aactaatgcc aagataatac gaagagaatc tttcttagat actggagaaa 180
 atgtctttgt gtaatctatt ccttcctttt gagtaaacc ctcaacaaca agtcttgcct 240
 tgtatctctc aatgttgcct aatgaatccc ttttggctct aaatacccat ttacatctaa 300
 tggcctttgc ccattangc atctttacaa ggttccaaac tttgttactc tgcattggaat 360
 tcattctatc cttcatggca tcataccata aatttgactc tttacaactc gtggcttgat 420
 ccaaag 426

<210> 1356
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 1356

agcttgggac attcttgcaa atacctatgc tagttctgat aagttgaaaa gagtcaagat 60
 gcatactttg aagcagcaat tcgagctatt acagacgaat gagaaggaag gtatagccga 120
 atacctaaat cgtgtgcaaa atctgtcgaa tcaagtgatg gcttgtggtg aaaccttgaa 180
 cgatcaagat cttgtagaaa aggttttaag aaccttaagt tcaagatttg attatgtggt 240
 tgctgcaata gaagaatcta aggattttgc ataaatgaaa ttggatgagc ttcaatgctc 300
 tcttgaagca cacaagctaa gaataaaaga gagggaaaca gataggatcat ctgaacaggc 360
 tttacttgct cagagtggaa aaatattcca caatggctca cgcagtagta aagggaaggc 420
 taaacccaaa taccctaaat tgaaaaaaca agagatgatg gtactgttga 470

<210> 1357
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 1357

agcttttgat actaacaagt gtatgtatac cttaatttct cttaacaaca accatattgc 60
 ttattgtagg catggactta aacaatatcg taatgggtgg gcggatggac caacttatat 120
 tacacagtgc ccaatacaga caggaggcag ttatacttat gatttcaatg ttactgagca 180
 gagaagaaca ctatggtggc atgcacacat tctttggctg aaggccactg tgtatggtgc 240
 aataataatt atgcctaaag ctggaacacc atttcctttc ccacagccag ctagagaatt 300
 tgaaattctc ctacgtcaga ttgaatttca agcgtataat cttaatatg gaaggataaa 360
 agggtaagaa atatgctata agtaattttt tgtgcatgca atacgtgaat ggtggaac 418

<210> 1358
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1358

agcttattta ttgattaat gaatcatatt gattattaat taatgcttta ttgtttttt 60
 taataagcaa aagtgatgat atatattata cacaaaggt aagcaaccta ttacaagta 120
 ttgaaaactg aaaatactat ctccatacct tggttacaaa atattaacat aacaacaata 180
 taaatattaa gtaaccaagg aatccaaaaa gagaaagttc acctccctgc aagtcactgt 240
 aatactacta gtgacaatcc tacccaatca ccaaaaaaac ataaataatg ccttaccctc 300
 ccacatgttg ttcccaaat attaatgctt tatttgttgt tgatgtatgc aatgcaaggc 360
 aattgtgaat cccaatgaat gaatgatttc atgaatgaga gcaagctgaa tgatcctctg 420
 aacagctctg attatgtccc aacctatgag gacaangatg gtgactggat gcttgccgcg 480
 aatgcccatg 490

<210> 1359
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 1359

taagctcggc ccacaaggtg ttccaacatt tgatccatga aatgaaaacg aaaatgatct 60
 ttacttgtgg cttgatttaa cttacaataa tcaatgcaca ttctccacct catcaaaatt 120

cttgtgggga tcaactcatt cttcacattc ttgatgactg tcataccccc tttcttttagt 180
 accacttgta agggactaac ctatgcacta ttagagataa ggtatatcat ataggcttca 240
 agaagatcta gcatcttttt cctcaccacg tcttcataa catgactaag tctcttttca 300
 agatgagcta ttggtttgaa gatttcctta tgcataatct tatgcataaa aaatgatgga 360
 caaatacctt ttatattaga aatagtcaag ccaatggatt ccttattctc tttcaag 417

<210> 1360
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1360

ctaagcttaa gaattatggc ctcacaaac tacttgtttc ccgagggaaa ttctataaat 60
 agacctccca tctttaatgg agtgggttac cactactgga aaaccgcat gcaaattctt 120
 atagaggcaa tagattttaa tatctgggaa gccatagaac aaggacctta tgttccctct 180
 atagtggccg gaagtgaac aatagaaaaa cctagagcag attggactga tgaagaaaga 240
 agattatttc aatataattt aaaggccaaa aatattatta catctgccct aggaatagat 300
 gaatacttta aggtttcaaa tngtaaagtg ctaggatatg tgggatcact acagtaacac 360
 atg 363

<210> 1361
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1361

agcttaagct ccttcaactg cacaaggctc ttaatatctg aagagtatcc ttgtggaacc 60
 ttcacccgac gaagacactg acaaaaactt atattatcct tctttgacaa agtatggcag 120
 gatagggaca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtataccc 180
 atatcagcta gatcttgacg ggtattcaag ccacccctcg tcttgccctg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcacacca gtacggaaga tcaaagaana tggacctctt cttccatag 360

caactctgac tnttatcctt cttgtgggtc ttcccaaata cagtattc

408

<210> 1362
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1362

tccatcagtg cataacgtga cttcaaaagt atttgctntt ccctttntat attnttatan 60
ttttttgggt tgcacaaggg ttgatgcaat cctaccccg c aagggcattg gatagaagac 120
tccaagacaa ttgagccaga gatgcaagag aaggccctag agttctcatg agccttangg 180
tagatttcgg gctcatgggc taagtatgag cccacttatt ttagtacata ttagattaag 240
gtttcattat ttttgggcct tgtatttagg gctcaataat gtaggtaagg taccctagaa 300
atgtatgatt tttcagccct tgtatttttag ggcacctaga ctagtntttg tattanggggt 360
agttttgtaa tttcacatgc attaagtga tttttgatgt gt 402

<210> 1363
<211> 364
<212> DNA
<213> Glycine max

<400> 1363

agctagtgcg ctcttggcac tgtcatttag ttgagaaatt ctgaaggaga cctattccgg 60
agatggattt attgatgatg acatacctgt tagtaacagc atacttatag ctagctgtat 120
agaacaaaag ggatgataaa ggcttaaact atacataaga atgtataatt atattttata 180
tataacttac tgaaataatt tattttatat gcagatagaa cgtaattacg gtacaactta 240
taatattatt aaagagataa aatatatagt ccaaaagggt ctgatatact tagacatctt 300
aataatatca ataccttaat gagatccttc atttctctct attatctgtt cttaacacat 360
cata 364

<210> 1364
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1364

cacttctgta gggtttcagg gctttccatc agctctgttt aatctgccat atactcagcc 60
ggatattaggc ctcatgagct ttctcatatt cagcagctta ttggatttag cttgngtgac 120
ttccctttca gataactggg tggtccctt ttatcatcta gattaaatgt atgtcattat 180
gtcccttac ttccaagat tactggcctg attcagggat ggagcaaaaa gtatttatct 240
tatgcaggta agttagagtt gatcagagcg cgtattcaac gaattgtgac attttggatg 300
gggatttttc ctttgccgca atctgttctg gaccggatca acgctntgtg ccgtaattnt 360
ctgtgngca aagcggatat tggaaaaaca agccttgggt tgcttggta gtagtttgtt 420
ct 422

<210> 1365
<211> 378
<212> DNA
<213> Glycine max

<400> 1365

accctgatga ggatgtccca tatgttctta taactggact gattcatttg cttccaaagt 60
ttcatggcct tgtaggtgaa gaccgcaca aacatttgaa agaatttcac attgtctgct 120
ccaccatgaa acccccagat gtccaagagg atcacatatt tctgaaggct tttctcact 180
cattataggg agtggcaaac gactggctgt attaccttgc tccaaggctc atcacgagct 240
gggatgacct taagagagta ttcttagaaa aatttttccc tgcttccagg accacagcca 300
tcaggaaaga tatctcaggt attagacaac tcagtggaga gagcctgtat gagtactggg 360
agagatttaa gacactat 378

<210> 1366
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1366

atgtgttaac tctcaagctn tntatgatta tatctgtgtg aaatataaaa aattcataaa 60
attactaata ttaaggtag tatatgctta tcatttaagg taaaatatgt tnttaatttt 120
tatacttttg atcaaattta attttagtcc tttgtaatat gttaaaaatt taaagggatg 180

tcgcgaaaag gatataataa cgaaataata taaattttta catttatagt catattaaaa 240
 ttcacattta atgtcatcta ataaatatta ttaattttca atactattta gcaagccttc 300
 ttctcaccac atttaattta atgtcatcta ataaatatta ttaattttca atactattta 360
 gcaagccttc ttctcaccac atttaatgtc gatcaattaa cnaattaaaa taataaaca 420
 ttaataa 427

<210> 1367
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1367

cttctcgatc tattatgcgc ctgaatcgga cctncgagnt attagttatg actattaaga 60
 tatctcaaga gcttcgggtg gttaattgag tgcgtctcga tatattatgt gcttgaatcg 120
 gacctctgag ctaaaagnta tgaccatttg aatttctcga gagcttcttg tgttcaattt 180
 catgctctc gatataattat ntgcctgaat cggacctccg agttaagagt tatgaccatt 240
 tgaatttctt gagagcttcc gatgttcaat ttcgagcgtc tcgatataatt atgtgcctga 300
 atcggacctg cgagtgacta tttatgacca 330

<210> 1368
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1368

agctttcaag aaattcanat ggtcctaact tttaactcgg aggtccgatt gaggcggata 60
 atatatcgac acgctccaaa ttgaacaatg gaagctcttg agcaattcaa atggtcataa 120
 atagtcactc ggagggtccga ttcaggcgca taatttatcg agacgctcga aattgaacaa 180
 cggatgctct caagaaattc aaatgggtcat aacttttaag tcggagggtc gattcaggca 240
 cataatatat cgagacgcac ganattgaac aacggaagct ctcgataaat tcaaatggtc 300
 ataactttta actcgggaagt ccgattcagg cgcataatat atcgagacgc tcaaatgac 360
 atcgggaagct ctcagaaatt aaatggcata acttgactc gga 403

<210> 1369
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1369

tgccacaatn tccatgaaat gtaaggccat cgtatgagtt gtataatggg aaggaggcat 60
 tcccaagtga attccttttag aanagcaatc aacgatgact aanatagtag tatgtctgca 120
 gtacactagt aaaccaacga tgaagtccaa agaaagggtcc tccacagccg ggacggcact 180
 ggcagggggc agagcaacct ggcgggcttt cgggcttcat atttagtgtg ctggcaattg 240
 atacaagctg caacaaacgt ttgcacatcc tttcttaacc ctatccaagt gaaatttttg 300
 cacacccgtg caaggggtctt cataataccc atgtggccac ttgtgggcat tgaatgaaac 360

<210> 1370
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 1370

caaagaaatg aaaagccctc aattgtggtg gctattatct ctatagtgat tcaactcaatt 60
 tggagtgtctt cttagtccaa tagcgtctta atgtgggttg cctcttgctt cttgactcga 120
 cttcttcaag ggatggcacc aatccttctt tctaattgct tatatggcaa ctcacaaacc 180
 aggaagcata gagacaagta ataaccaag acccaaaaga tgaaatgaaa gctaaaccaa 240
 tagatcttta acaagagata ttatcaagga ttat 274

<210> 1371
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1371

actaagctgg tacaaacctt cactacatca accgtaataa tcacctctg actgctatcc 60
 tgaatcaaac atgaattagg aaagaagggt aacttgcaat tcaatacaga aaccaatttt 120
 gatatagaga ttaaattgaa attaaaagat ggcaagtata gcacatcttc taagtgtaaa 180

aactcagtaa atttgactgt tccaaagtgt gtgactatga cttgntgacc agtaggcagg 240
 cgaactacta tgggatttat ttctctatat gtagaataac aagtcaatga ggatgcaaca 300
 tgaattgtag caccaaagtc caaaatccat gctgcagctt canacttgtg aatattacaa 360
 acaaaggata gtatattacc ta 382

<210> 1372
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1372

agcttgtgca tgagagcgag aatgctagtg gttttgatag ttcttggagg accctaaaat 60
 gggaggggta gaaattaaga ttaaaaattg agaaagtgga aatagttaat ttaaggggtg 120
 aaatgagaga actacagata aaatgagatt gtgcatgttg ttgttgcgag cgatgacttg 180
 gagcctggag acggcgctct cattgacgac agcgctcgcg accttgatgg gatgatactt 240
 ttctacccat ggaacgttgt aggcattgct tgatgatgac aatgacatgc ttctgccaac 300
 ggtgaacaaa gggtttcaag tttcagacca gagcggagaa taaacgttct aaagcccaaa 360
 ccctattttg cctaaaccac ttcaaagggt catcacttct tatttcanac ggcatgttc 419

<210> 1373
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1373

cattacatag tttatttgat cttctacaca taatatacat tgatgtctag cttactatcg 60
 ccatatagtt tggcgaatta tatcaaattc aagttagaca acattatttt caatatttga 120
 ctcatgtat taagttgaat atgacaattc tattattatt tgtatctaaa gataattatt 180
 ataaaattca atacatttac attacattcc ctacaagaat tataatacat aatattctat 240
 aatattttat aatttgatga ccataataat gataaaatgc attacgctag ttaactccac 300
 tgaaaccttn tcaatgaaac ttatgtctct aacatataat atcatattaa atatgaataa 360
 ttttagtctc atgtacgtat gatataatat ggacttaact cataaaatnt tgacttttac 420

attanctcac gcttataaaa atttcttgcc c

451

<210> 1374
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1374

ngaaggcatg taaccaccca tcttctcata ttagaacact gttaacgtgt ccactatcan 60
ttttatcatc tcgctttcca tcattgnggg cactacttaa gctgccagat cctccacct 120
ctgggcgtat tctttgaatg attcattatc tctcttgac atgttctgta gctgcattct 180
atctgcggcc atattggaat tgtaccgata ctacctaag aaggcaacca ttaggtcctt 240
ccaggaatgg atccaagaag gttctagatt agtataccag gtgacggctg cccagtaag 300
aatttcttgg aataaatgca tcaacacatt ttaatcttcc gtgtatgcc ccattntcct 360
acagtacatc ttcaggtgat tcttggggca agtagtcccc ttgtacttat cgaaat 416

<210> 1375
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1375

actcagctta acattcanat tcgagcgtgt cggttatatta taggactcag tcagacatcc 60
gagtaaaaag ttattgacgt ttgaatctgc tcagagcttc aacactcaat ttcgagcgtg 120
tcgctatatt acgggactat atcagacatc cgagtaaaaa gttattgtcg tttggaattg 180
ctcagagctt caacattcaa ttcgagcgt ctccatatat tacgggactc aatcagacat 240
ccgagtaaaa agttattgtc gtttgaattt gctcacagct tcaacattca aattcgagcg 300
tctcgttata ttatatgact cagtcagaca tccgagacaa aagtattgac gttgaatttg 360
ctagagctta acattcatnt cgagcgtgcg ctatatacgg gacatatata catccgagta 420
taagttattg tctttgaatt gctacagctc aacattaatt cagcgtgcga tatata 476

<210> 1376
<211> 431

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1376

taagaattgg aggtcctaata gattccttga ggagggtccaa acattaagcc tttgaattgc 60
 cccaagtatt acgtgtaata tcgcttgacg atgtcaaaat tcacagacga aggtagctct 120
 tcatcatcca tgttcataag aaacaacgct cctcctgaga aagtcttctt caccataaac 180
 gatccttcat agtttggggc ccatttacct cgggtatcct tttggacatg cgacactntc 240
 ttcagaacaa gateccccctc gctgaactta cacggggcgca ctcttcaatc aaaaacgtn 300
 ttcactctgc actaatatag tctcccatgg cttatagtag ccaatctcat accctcgata 360
 agaattaatt ggtcaaagca tgcttggggc cactctgctt cttccaatcc taactctgct 420
 aagaatctta a 431

<210> 1377
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 1377

agcttgagta taggatcttg cccgctgaat acctaggcgc gatgatgaac ataggtggag 60
 cctgtgagaa cgggctataa ccttaccgat atcaccacaa tacaagccgc agacactcct 120
 cggctagcac tgtgtgccta aagagagatc tatctcacat tacttgcgat acactaactg 180
 ctgcggggcc agaaccctaa acctgtccag ttctccgctt atatgtataa aacaacgcga 240
 gacgcttgcc acccacctcg ccag 265

<210> 1378
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1378

agcttggtta ccccatgttg agtttgctta catatagagt tgttcatagc gccactaatt 60
 gttctccttt tgaagttggt taaggtttta acccactaac tctcttgggt cttttgcata 120
 tgcataatgt ttctatTTTT aagcataaag aagggtcaagc aaaggcgaac tatgtgaaga 180

agcttcatga gagagtcaaa aatcaaattg agaggagaaa taaaagctta aacaagccaa 240
 caaagggaga aagaaggttg tcttcgaacc cgaagattgg gtttgggtgc acatgagaaa 300
 aggaaggttt ccggaacaaa ggagatcaaa gcttcaacca aggggagatg gaccatttca 360
 agtgcttgaa agaatcaatg acaatgctta canaagtgag ttgcccgggtg agtataat 418

<210> 1379
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 1379

agcttcacaa aagtttatat gacttgaaac atgcaccgat gcagtgggtac aagaagttta 60
 atgagtttat gagcaactca ggattcaaaa gatgtgacat ggaccattga tgctatgtta 120
 agaaatatac taatagttat gttattcttg tcatgtatat tgatgacatg ttgattgcag 180
 gatctagtat gacagacatt aacaagttga agcagcagtt ggcagaaaac tttgaaatga 240
 atgatcttgg tccagctaaa caaatccttg gtatgagaat tcttagaaaac agatcagaag 300
 gaatcttgaa gctgtcttat gagaaatata tacacaaatt gcttgacagg gtttaccttg 360
 gagattctaa gaccaggaat actccttttag gatctcatth gatagtttca aagaagcaat 420
 cttt 424

<210> 1380
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1380

agcttgtgtt ttcaggagac gtcttagtaa ctgcaaaatg agatttcagg ccaatccaac 60
 actggttaata atcttgggcc aagaacgggtg attctgaggg ccattgactg atacgngta 120
 tcaaactcga ttcaaacata aaagccattg tgtcagtgat cttgcaaggt cctacatcat 180
 ttctctgtgc aatggtagcc tgtaaaccac gtaccaacac atacattact agaagattga 240
 atccatcaat tcatatthtt tgcatcttta gtagttagta cttaaaccac atcaacaaat 300
 ggcacataac taggttttgc acttgagta aacctcatta tagtttccga tattgtaaga 360

atttggttact aacactgcta aaaaatgatt cattcctatc attntcatat ttatt 415

<210> 1381
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 1381

agcttataat atatcgaggc gctcgaaatt gaacaacgga aggtcttgag aaattcaaatt 60
 ggtcataact tttaactcgg atgtccaatt catgcgcac acatatagag acgctaaaaa 120
 atgaacaacg gaagctctcc acaagttaaa atggtcataa gatgtcaca agatgtccga 180
 ttcacgcttg tattatatcg agacgctcac aattaaacat cgaaagctct cgagaaattc 240
 aaatggcat aacttttcac tacgatgtcc gattcatgcg catcacaat acagacgctt 300
 cgagttgaac aacggaagct ctggagaaat tccaatggc ataacttttt acactg 356

<210> 1382
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1382

ttggagaggt taatgaaaca acgagatgat gcgctccatg agaggttgga tcanatggag 60
 aatagagacc atatgaattg ctcaagagct tccattgttc aatttcgagc gtctagatat 120
 ataatgcgc tcaatcggac ctccgagtta aaagttatga ccatttgaaa tgctcaagag 180
 cttccattgt tcaatttcga gcgtcacgat atattatgca cctgaatcgg acctgcgagt 240
 gacaacttat gaccatttga attgctcaag agcttgcatt gttcaatttt gagcgtcacg 300
 atatattatg cacctgaatc ggacctgcga gtgacaactt at 342

<210> 1383
 <211> 223
 <212> DNA
 <213> Glycine max

<400> 1383

gagctctcac tcggaggccc gattcaggcg cataatatat ctagacgctc gaaattgaac 60
 aacggaagct atcgacaaat gcacatggc aatactgcc actgcgagga cctattaagg 120

cg cattat atctacacgc tcaatattga acaaaggaag ctctttgaat attcaaattg 180
 ttctaacggt ggactcaaatt gtccgagcta tgcgcataat ata 223

<210> 1384
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 1384

agcttgccct ctaccaaagt tcaagcccat gtgcaaaatg taaggctttg ggaacatgca 60
 agcccaatgc ccgcaaacca tgattgtcga atgctttcac ggctcggggc tttttggggc 120
 ttttcgagca ttttaaggat cctatcttgc gaagaaaatg ctgtgattgt tctgagggtg 180
 gaaacagctt caacagctat cttgctacta tcatcttggg ccttgatggc cttactagac 240
 atgctcttga gaaggacacg cttgtgttag aaacatgcta tgataatggg ttgaactgct 300
 atcataacaa tggccaacct ccatgcaatg attagccca ttgtaaaagc tattaccact 360
 gctgaaatgg attgtaccac tagagccatt ctatctccca ctaaagacc 409

<210> 1385
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1385

tctcgaatat tatgcacctc gaatggactt ccgtgtgact agttatgacc attntaattn 60
 ttcgagagca ttccgtgttc aatttcgagc gtctcgatat attatccatc tgaatcggac 120
 ttccgtgtga taagttatga ccatttgaat ttctcgagag cttccgttgt tcaatttcaa 180
 gcttctcgat atattatgca cctgaatcag acttccgtgt gaaaagttat gaccatttga 240
 atttctcgac agattccgct gttcaatttc gagcgtctcg gtatattat 289

<210> 1386
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 1386

agcttgccgc cacggagtta tccgactatg ctcttggtg gtggaacaag ctacaaaagg 60
 agagagcaag aatgaagag ccaatggtg atacatggac ggagatgaaa aagatcatga 120
 ggaagcggtg tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
 cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
 caaatattga agaagatgag gaggtaacta tggtctgatt tcttaatggt ttgactaatg 300
 atatccgtga tattgttgag ttgcaggagt ttgttgaaat ggatgatttg ctctacaaag 360
 caatccaagt ggagcaacaa ttaaaaagga acggag 396

<210> 1387
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1387

tactcaattg aatcaacaac agtcccagaa ttctgacaag ctgccttctc aagctgtcca 60
 aaaccccaaa aatgtcagtg ccatttcatt gaggtcggga aagcagtgctc aaggacctca 120
 acccgtagca ctttcctcat ctgcaaatga acctgccaaa cttcactcta ttccagaaaa 180
 aggtgatgac aaanatctac ctaacaattt ctgtgcaggt gaatcttctt ccacaggtaa 240
 ttctgatttg cagaagcagc acattcccc tcttccattc cctccaagag cagtttccaa 300
 cnaaaaaatg 310

<210> 1388
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1388

agcttnctta agaagattcc taaagaagct agagcttagc tacgcatacc tctctaatag 60
 ctaagctcac ctcttttaga tgagaagcta gagcttagct acccaccnc tataatagct 120
 aagctcacc ccatgacaaa taacatgaga atacaaaaaa aaagtgttta ctacagagac 180
 tactcagaat gccccgaaat acaaggctaa aacctatac tactagaatg gccaaaatac 240
 aaggctcaga cgaaggagaa acctattcta atatttacia agataagtgg gctaatactt 300

agcccatggg ctcgaaatct accctaaggc tcatgagaac cctagggcgt tcccttggat 360
 ctctagccca atctacttgg agtcttc 387

<210> 1389
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1389

agctntgagc aaattcaaac gacaataacc ttntactcg gaagtcggat tgagtcccg 60
 tatatatcca gagctcgaa attgaatggt gaagctctga gcaaattcaa acgacaataa 120
 cctttttact cagatgtcgg atagagcccc gtaatatatt gagacgctcg aaatggaata 180
 ccgaagctct gagcaaattc aaacgacaat aactttttac tcggatgttc gattgagtcc 240
 cgtaatatat cgaaacgctc gaaattgaat gttgaagctc tgagcaaatt caaacgacaa 300
 taaattttta ctggatgtc cgatggagtc tcgcaatata tcgagacgct cgaaatggat 360
 aaccaaagct ctgagcaaat tcaaacgaca ataacttttt actcgat 408

<210> 1390
 <211> 356
 <212> DNA
 <213> Glycine max
 <400> 1390

actgtgataa taaatcagcc atagagattt ctaatcttcc tgttcaatgt gattgtacaa 60
 aacatgagga aattgacagg catttcatct aagtgaatat tgaagatggt attattgtct 120
 ttcttttggg taaattataa caacaacttg ttgatatggt aaccaaggta ttgcatctcc 180
 aaggctcgcg tatatacttt attcttagat tacgttggga aatataatga caattgattg 240
 cactcaactt tgaaagcggg gatgttagca atccatttaa ttgttaggga tcagctatga 300
 ctttgaattt aaattataaa tgattcacat ccctgatat ttattccttt ttattt 356

<210> 1391
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 1391

agctntgtga gtgattctta taaatcgatc tctagctaca atgaacgatt gggctcctcc 60
tctcatagct ggggctntgt tttggctctt gagcccgga atgatctttc agttgccggg 120
gaagaatgca ccccttcagt ttatgaacat gaagaccact gttgcatcca tgtttgcgca 180
cactgttatt tatggctctgt ttctgatgtt gttcttcgtt ggtcttagta tccatcttta 240
tatttaagca gcagcaaagg gtatttaaag aaaacttatg tgttgcttta tcttttaaag 300
tagatcatgt aacaaccttc tcttgttgat caatatgtat gtgctctttt cgaatttcca 360
cttgatcagg cttctactaa tactttcacg agtgatatgc tcgtcgttca ttatttaaaa 420
gtgacgtgaa ttactatg 438

<210> 1392

<211> 437

<212> DNA

<213> Glycine max

<400> 1392

tgaagacaag actatacgag gtatctttct tgggtatagc aatatctcta agggctaccg 60
tgtctacaac ttgcaaacta aaaaactcgt catcagtcga gatgttgaag ttgatgagta 120
cgcttcttag aattgggatg aagaaaaaat ggagaagaac attcttatac ctctgcaacc 180
tactctctaa gcaagaaagc ctgatggaag taagacctca gtgtgaacca ctcttcactc 240
tccaccacaa caacaagatc aagaactatc atcaccagag tatactccaa gaggagtaag 300
atctttgggtg gacatatatg aaacctgtaa cttggccata cttaaacttg gaagctttga 360
agaagcgtca aagcaggaag tatgggtcaa ggcaatggaa gaagagatac agataatcga 420
gaaaaacaac acatggg 437

<210> 1393

<211> 402

<212> DNA

<213> Glycine max

<400> 1393

tgaatcggac atccgtgtga aaagttatga gcatttgaat tacttaatat cttccattgt 60
tcaatttcga gcattctgat atattataag cctgaatcgg acattcgtgt gaaaagttat 120

gaccatttga atttctcaag agcttccggt gtttaatttc gagcctctcg acatattatg 180
 cgcgttgaat ccgtgctatc ctgtgtgaac aagttatgac cattttgaat atttcgacag 240
 cttctgatgt gtaattctga gcgtattaat atattataag cctgaatcgg acctctgtgt 300
 gaaaagttat gaccatttta atttccctag aactttcgggt ttttatattc tagcgtgtct 360
 atatgtgatg cttcttaata taacatcctt gtgaaaagtt tt 402

<210> 1394
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1394

agcttatata aatcgatacg ctcgaaattt tacatcgaaa actctcgaca aattcaaattg 60
 gccatatctt ttcacacgga tgtctgattc gggcgcataa tatgtcgaga ggctcgaaat 120
 tgaacaatcg aagctcttga gaaattccaa tggtcataag ttctcacacg gatgtccgat 180
 tcaggcttat aatatatcga tacgcgcataa attaaacatc ggaaactctc gagaaattca 240
 aatggccata acttttcaca cggatgtccg attcgggcgc ataatatgtc gagaggctcg 300
 taattgaaca acggaagctc ttgagaaatt canatgggtca taacttttca cacggatgtt 360
 cgattaaggc gcacacata 380

<210> 1395
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 1395

agcttggatt tcctttgctc cggaaacctc ttcttttctca tttgaaccca aaccaatct 60
 ccgggttggga aaacaacctt ttgcgcccc ttgtttgctt gtctagcata gctctcattt 120
 ctcttttcaa tttgggcctt gactctttca tggagctttt tcccatagtc cactttggct 180
 tgctcttctt tatgtttaa aactgaaata ttaggcattg gcaacaaatc agaagagtt 240
 agtggattga aaccataaac aacctcaaaa ggagaacaac tagcgggtgtc atgcacaacc 300
 ctattataag aaaattcaat atgaggtaag caaacttccc aatttttaag atttttttta 360
 aatggtcctt agcaaggtac ccaaagtcct attcacaacc tctgtttgtc catccattg 420

agggtgacaa gcagtagaaa atagtaac

<210> 1396
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 1396

cctgctgcat gcaagctttg agcaaataca attacttaac tttttactcg gatgtctgag 60
 tgagtgtggt aatatatcca aaagctcgac attgaatgtc taagctctga gcaaattcaa 120
 acgacaataa ctttttactc ggatgtctga ttgagtcccg taatacatcg agacgctcga 180
 aatggaatac cgaagccctg agcaaattca aacgacaata actttttact cggatgtctg 240
 attgaggccg gtaatatatc gaaaagctcg aaattgaatg tagaagctct gagcaaattc 300
 acacgaccat aactatttac tcggatgtct gactgagtcc cgaatatatc ggaacgctcg 360
 aattgaatg 369

<210> 1397
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1397

agcttcaaga aaaagatggc ctcatcatat ttcttatttc cagaagggaa ttctatcaat 60
 agacctccaa tctttaatgg agaggggttac cactactgga aaacctgaat gcaaattttt 120
 atcgaggcaa ttgatctaaa tatctgggaa gccattgaaa tagggcctta tatacccacc 180
 acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240
 cctagagata gatgggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300
 aacataataa catctgcctt acgaatggat gaatatttca gagttttcaa ttgcaagagt 360
 gctaacgaaa tgtgggacac tcttctatta acacatgaag gaactacaga tgttaaaaga 420
 tctangataa atgcactaac tcatgagtat g 451

<210> 1398
 <211> 379
 <212> DNA

<213> Glycine max

<400> 1398

agcttcaaga aagtcctctc caagagtgc taatgaggct gttcataagg ctgtgagtgc 60
ttattttctg tagttttctg ttcaactgct taattcagtt gagcaagatt tgtaggaaa 120
tttattgtct tgttcaactgt tattgatgac atcttttatt ctcttctcag gctgctgcat 180
tgaagggttc tgatcatcgt cgcgccacaa atgtcagtgc tagattggat gctcaacaaa 240
agaagttcaa ccttccaatc ctcccaacca ccacaattgg atccttccct cagactgttg 300
aactgaggag ggtgcgtcgc gcatacaagg ctcaacaagta agatatgcct tgagttgata 360
ggttgqcttg tctcttgac 379

<210> 1399

<211> 401

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1399

tgaaagtgc taancttcta aacaagggat gtctcttatt caatgtcgaa ttaaccagc 60
tgggctgtaa taatatattt tcttgatatg ataattaatt ctacgtgcat atcagcgtgt 120
atgccaaatt ttattaattt tttttactta aaatcccatt tacactaata accgcaataa 180
cacatactaa ttatgtaatg agtacttcaa ttagcctttt tgctttctta atcaattcaa 240
actattatcc tttatcccta tttctaaaag aaattctgat agtttttaaa gaaaaactta 300
atttaaaata atcttttggt ttataaactt gaaatacaat gcatatttta aaaaatattt 360
atgtgtatta tgaacttta ttttaatatata tggtatatat t 401

<210> 1400

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1400

agctnttaac tcggaggtcc gattcaagcg tattatatat cgagacgctc gaaattaacc 60
aacggaagct ctcgagaaat tcaaattggtc ataactttta actcggaggt ccgattcagg 120

cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaata 180
 tcataacttt tcacacggag gtccgattca tgcgcataat atatcgagac cctcgaaatt 240
 taacaacgga agctctcgag aaataccaag ggtcataact ttctactggg atgtccgatt 300
 caggcgcata atacattgag acgctccaaa ttgaacaacg gaagctctcc aaaaattcaa 360
 atggtcataa cttttcac 378

<210> 1401
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 1401
 cggttcttct atttgctatt gccgctgcag cattttacac aggtcgttg attaaaagat 60
 gtatggacaa gaattcgaac attaaaacct acccagatat aggtgagctt gcatttggaa 120
 agatggaagc tatatatcag gtcattgtaca cggagcttat tgtttaatag ggttcttgat 180
 tctggaaggc gataacttga ataacttgtg cccattgaa gaggttcaga tagctggctt 240
 cgtaattggt gggaagcaac tgtttgtgat attgggtgcc cttatcatct tgcccacagt 300
 ttggttggac aacttgagta tgctttctta tgtatctgca agtggagtgt ttgcttctgc 360
 tggaatcatc ctatcaatat catggactgg aacat 395

<210> 1402
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 1402
 agtgcactgc caaagctttt attccatcat gtgtttgtgc attgaagaac tccaattgag 60
 gcacatacat gaaaacctct gatgctcctg tgagcacata ttgtggcact tgccagaaaa 120
 tggaaagtga acttgacca tcacaattgc tacaatcttt tattgcaaac ttcaacctga 180
 atttctctac caacctgct gagaccatgg ccatgattgc aaggactaga ccaattccca 240
 tcctttgaag ctctgtgagt ttggatttca ttactttggc cacaaaaggg tcgagggcgt 300
 gcctatagat gaagatgaag aatgccacgc ccaaatgtc gaagctggac atgcttgctg 360
 gagggatttt gaaacttgaa att 383

<210> 1403
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 1403

ggctcctcca cctgctctaa tagcccaaaa gagaccttct ccctttgctt ttctatcaag 60
 gatttgGCCA tttgcatcaa ctattcttgc atctaagaca ttgtcagctc caaggacata 120
 ctttcatatt atggattcat atgcacctac cgtgaaggct cttcacacct taacttgtgc 180
 aaaggctcttg ctggaaacca tgaaccgaac ttttctcata tattttgtaa tagaccttcc 240
 ccatagtggc acccgcttga atccaagccg tgctggcttc tatatt 286

<210> 1404
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 1404

agctttatag gaagcactat ggtaagagg tttggtttca aaactacttc aagtgaaga 60
 gccaaaaatc actgtagtac actatgacag tcaaagtga atgagtttga acaaaaacca 120
 agtgtatcat aaaaaaaca agcatgtgaa tgtcaagtat cacttcattc aagatatgat 180
 caatagtaaa gctattgcta ttaagaagat atctacaagg gagaatgttg cacacatgct 240
 cacaaaagtt ttaccctatg agaaggtcaa ctat 274

<210> 1405
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1405

ntaactcgga tgtccgattc aggcgcataa tatatcgaga cttttgatat tgaataacag 60
 aagctctcga gaaattcgaa tggtcataac ttttcacacg gatgtccgat tcgggCGCAT 120
 aatatgtcga gacgctcgat agtgaacaac ggaagctttc gagatattct aagtggctcat 180
 aactttttca ctCGGaggac cgattcaggc gcataatata tcgagacgct cgaaattgat 240
 aaacggaagc tcccagagaa ttcaaTgcg cataacttct aactcagagg tccgattcag 300

gcgcataata tatagagacg ctcgaaattg aa

332

<210> 1406
<211> 338
<212> DNA
<213> Glycine max

<400> 1406

agcttgtagc atatgcaaac ggcaataacg ttttactcgg atgttcgatt gagtcacgta 60
atacatcgaa acgctcgaaa ttgaaaacag aagctctgtg caaattcaaa cgacaatata 120
ttttaactcg gatgtccgat tgagctccgt aatatatcaa gacactcgaa attgagaata 180
aaagctctga acaaattcaa acgacaataa ctttttactc ggatgtccga atgagtccag 240
taatatatct agacactccg aattgagaat agaagagctg agctaatacca acgactttaa 300
cttttactcg aatgccgatg gcgccccgacg tgttttaca 338

<210> 1407
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1407

agcttaagct ctttcaacta cacaaggctc ttaatatttg aagagtatcc tagtggaacc 60
ttcacccgac gaagacactg acaaaaactt atctttctct tcttggacaa agtatggcag 120
gctgggggca tataggttca ttccatcact gtctagtcca agtctaagat ttcttggctc 180
attccccgaaa tccggatata aaccatcaat cttcttccac tgggagcaat cagccggatg 240
acagaccatt ccatacagaaa tccttccatt tgcattgcat gtaaggctct ttgcgtcatc 300
ctcgtttagca aagagacgct tannaccttg gaataattga agataccaca naaccttcgc 360
tggnnggaccc ttgttggagt tntcatcaga aatgctntcc tcttaatcct tgacttt 417

<210> 1408
<211> 428
<212> DNA
<213> Glycine max

<400> 1408

tgtcacttga ggacaaccag acagacactc gccctctega catctgtcca tgacattaac 60
 caatgaggaa gtttattgct ttgacaccaa gagaggggtc atagtaaagt aattaacatc 120
 gacgatcaaa ctttatggat agcagaaaca cgatattctg aacaacagta ggtggtggca 180
 tttgggttca tgctatctga tagaacaagg actttgaaga catgttctaa taatatattt 240
 cataatcttg aaactgttgt atttaagcta cagcaattgg agcttgctag tactcatgct 300
 atgttgggta ctctctagtc tactgactac taaggatgga gctacatgca atctatgcta 360
 tctatatgca gtatatgaag ttaacagctc ttcataggca atactatata catgacttct 420
 atgaagca 428

<210> 1409
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 1409
 gaaaattaac catattgtat tttatatttg atgttttata actcttttat taccttctac 60
 tatatataga gagagagtga attatactat aatgagagtt gaataatatg cactcaggat 120
 aaatcttttc gaatgaaaga tttttattaa ataaacaagt ttatttataaa acttttgtct 180
 agtgactaag ataagtattc ttaagtacac gtgaattggt gtccaatgat atataacatt 240
 tatttttcaa tgaatatctt gtgtctagaa tgtattaata gaaagctttg aaatatttta 300
 ataagctaaa gaacaatggt caaaatacct cattttatac tgattcagtc aatct 355

<210> 1410
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1410

agcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtatcc ttgtagaacc 60
 ttcacccgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
 gctgggggca agtaaatttt ctcccatca gaccttggat gcaactatga tctgataccc 180
 atatcagtta gatcttgacg ggtattcaag ccatccttcg tcttgccctg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300

ctaacgtcaa gatcacacca gtacgaaaga tcaaagaaaa tggacctctt ctcccatatg 360
 caactctgac ttttatectc tctttgggtc tteccacata cagngntcag gtgttgaacc 420
 cgctgatata cctgctcacc 440

<210> 1411
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 1411
 ttaagaaatg tgaactccct tgcattgatt tcaaatttg aggtcaatcc gcgccctgat 60
 gagactaatg aaggaggat aattgctgaa attaagctaa aggagttaga acagaagtgc 120
 gctgaagtca gtactgagtg gagtattgtc cctggacggg aggatccact ctggtattta 180
 tttctgtcaa attgaatata aattctctt aacaaccgag gaatttttg cccaccaat 240
 taatttggtt actttctatt tgactttgtg taggcttcgc tccagcctgg tggcaactgtt 300
 agttttgaac atcggaatct gcaagggctg aatagatcta ttaatgggtc tattacaact 360
 agcaacttct tgaatcctca agtaggtacc cttgagctag atcctggagt 410

<210> 1412
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1412

gaaactcage tttcacgact ctgactgggc aggctatcgt gattctagac gttccatcat 60
 aggtttttcc atctaccttg gacactctct tatctcttgg cggtcgaaga aacaatctac 120
 tatgtctcgc agctcctccg aagctgaata tagagcttca gtttcaacaa catgcgagct 180
 tcaatggctc acctnnntac cttcttcaag aaatcttcat atctcgtttg gcccaactca 240
 gccatctctt tattgcgata accaatcaac aatccagata gcctctaate aggtgtttca 300
 tgaacgcacc aagcatattg acatagattg tcatatcgtt cgagagaaaag taaacaatgg 360
 tcttatcaag cttcttcttg tctcgtcttc catgcaactc gccgacattt ttaccaaagc 420
 tntatctcca tccatcttcc aag 443

<210> 1413
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1413

gctttggagt ttccaagagc caattcgtct tcttcttttg ttcagaacttc ttctggcttc 60
 aattcatcag tgggctttcc ttctgtgtcc agcatcttgg gatgttccca gcctttgatg 120
 acagctttcc aggttctgct atccagtgat ttgaggaagg ccaccatcct tgctttccag 180
 tattcatagt tggttccatc taggattggc ggtctgttca ctggctcctcc ttctttctcc 240
 atgttcatca gaatttatct cctagatct cactctgtga ttctgagtgt ttgtctgat 300
 accaattgaa attctgatac tgnngacaga tgtcgtaccg gatgtcacga catctcactt 360
 cagaacatgc agattagatg cgttcgtctg aacagattac acatgtaaat aacacaagag 420
 gattgttacc cagttcggcg caacttcctt acat 454

<210> 1414
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 1414

tgaaggcaaa ctggatgcgt tggtaacctt ggtaaccag ctggtcttga atagaaaaat 60
 atacacctgt cgcaagggtt tgtggtttgt gctcctctgc tgaccaccat acagaccttt 120
 gcccttccat gcagcaacct agagcaattg agcagcctga agcttatgct gcaaaattac 180
 aatagacctc ctcaacctca gcagcaaaat caaccacagc agaacaatta tgacctttcc 240
 agcaacagat accaccttg atggaggaat caccctaacc tcagatggtc cagccctcag 300
 caacaatagc agcctgcttc ttccttccaa aatgctgctg gcccaagcag accatacatt 360
 cctccacca tccaacaaca gcaacaacc cagaaacagc caacaattga ggccctcca 420
 caacctt 427

<210> 1415
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 1415

cttagaaatt ctgtcatgct gagatacttt cagttggacc agccttagag gagaaaaaag 60
agaaaccaa gaaagaggat aagaagccag aagccaataa aaatccaaag gaggaatatg 120
ctcaacttct gaaggtatat gaagcctatt ataatcaa atattgaacct gttctataaa 180
cttgaaaaat caactggctg gtattgtata tgagttgagg atataatgaa tcaagagaaa 240
tgtgacattt atgaatgact tatatgtaaa aaaggccgct 280

<210> 1416

<211> 448

<212> DNA

<213> Glycine max

<400> 1416

agcttaataa atctatatat ggtttaaaat atgcctccca tatttggtag ctttaagtttc 60
atgggattat ttcttcattt ggttttgatg aaaaccccat ggatcaatgc atataccaca 120
aggttagtgg gagtaaaata tgttttcttg ctttatatgt agatgatatt ttacttgac 180
ccaatgatcg gggtttgcta catgaggtaa aacaatttct ctctaagaat ttgacataa 240
aggatatggg tgatgcatct tatgtcattg gcattaagat tcatagagat agacctcaag 300
atattttagg tctatcacag gaaacctata ttaacaaaat tttagatata tttcgtatga 360
aagattgttc accagttggt gatcctattg tgaaaggat tagggttaat ttgaaccaat 420
gcccacagaa tgactttgag agggaaca 448

<210> 1417

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1417

agcttcaaca tcagaccact tccagggtagc tggaactact tcacatggat ttgatggggc 60
ctatgcaggt tgaaagcctt ggaggaaaga ggtatgccta tggtgtgtg gatgatttct 120
ccagatttac ctgngtcacc tttatcagag agaaatcaga aacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240

atggcagaga atttgaaaac agcagattca ctgaactctg cacatctgaa ggcattcactc 300
 atgagttctc tgcagccatt acaccacaac agaattgggat agttgagagg aaaaacagga 360
 ccttgcaaga ggctgctcgg gtcattgcttc atgccaaaga ancttcctat aatctctggg 420
 ctgaagccat gaacacagca tg 442

<210> 1418
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1418

tctcgatata ttatgccctt gaatcggact tccatttgaa aagttatgac catttgaatt 60
 tctcgagagc ttccgttggt caatttctag cgcttcgata tattatgcgc ctgaatcgga 120
 ctttcgtgtg aaaacttatg accatttgaa tatctcaaca gctttttag tagttttca 180
 aagctgtctc gattatatta atgcacgctt aatctggact ctccgttggtg aaaagttatg 240
 aaccatttga aattctcgag agcgttcggt gttcaatttc gatcgtctcc atatattatg 300
 cgctgaatc ggacttcggt gtgaatagtt atgaccattt gaatttctcg ggagctctcg 360
 ttgttcaact ntgaccgtgt ccatatatta tgctcctgaa tcggacttcc gtgtgacaag 420
 tgatgacc 428

<210> 1419
 <211> 433
 <212> DNA
 <213> Glycine max
 <400> 1419

agcttctcca tatattattc cctgaatcg tgacttcggt ttgaaaagtt atgaccattt 60
 gaatttctcg agagcattcg ttgttcaatt tcgagggtgt cgatgtatta tgcgcctgaa 120
 ccggacttcc gtgtaacaag ttatgaccat atgaatttct caagagcttt cgttgttcaa 180
 tttcaagcgt ctgatata tagtgcgctg aatcggactt ccgtgtgaca agttttgacc 240
 atttgaattt ttccgagca gtcgtggttc aatttcaacc ttctcgatat attatgcgcc 300
 taaatcggac ttccgtctga aaaagtatga ccatttgaat ttctcgagag cattcgtttg 360
 ttcaattcaa gcgtctcgat gtattttgcg cccgaatcgg acttccggtg acaatttatg 420

accatctgaa ttt

<210> 1420
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 1420

cgaaggcaaa ctggatgcgt tggtaacctt ggtaaccag ctgttcttga atagaaaaat 60
 atacacctgt cgcaaggggt tgtgggttgt gtcctctgc tgaccaccat acagaccttt 120
 gcccttccat gcagcaacct agagcaattg agcagcctga agcttatgct gataattaca 180
 atagacctcc tcaacctcag cagcaaaatc aaccacagca gaacaattat gacctttcca 240
 gcaacagata ccacctgga tggaggaatc accctaacct cagatgggtcc agccctcagc 300
 aacaatagca gcttgctttt tccttccaaa atgctgctgg cccaagcaga ccatacatte 360
 ctccaccaat ccaacaacag caacaacccc agaaacagcc aacaattgag gccctccac 420
 aacc 424

<210> 1421
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 1421

acttgatgat aaccattctg ctacttgtcc tcttgcatc tcccattaga tttagcacac 60
 cggaactgat tgttttcaca ccaagcgatg tctcatagtt tcattatcaa catctacgag 120
 ccaactttat cgttagcgtg agctggtaag ctgaaaaaca gaggtgtagg ctttgggttc 180
 atgctttctg atagaacaag tactttgaag acatgttgta ataatttct gcataatctt 240
 gaaactgcat tatttaagct tcagcatatg ctgcttgcta gtactcatgc tatgattggg 300
 actccttagt ctacttacta ctaatgctgg agctatttcc catctatgct ctcgatatcc 360
 aatattggaa gtcaggagct tttcacaggc taccctatac acattacttc tatgaagc 418

<210> 1422
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 1422

agcttagagc taattcaaac gacaataact ttttactcgg atgtttgatt gagccccgta 60
atacatcgag acgctcaaaa ttgaatggtg aagctcgcag caaattcaaa cgacaataac 120
tctttactcg gatggctgat tgagtcccggt aatatatcga gacgctcgaa attgaatggt 180
gaagctctca gccaatcaaa acaacaataa ctttttactc ggatgtgtga ttaagtcccg 240
taatacattg agacgctcaa aattgagatg ttgaagctct cagcgaattc aaacgacaat 300
aactcttttc ctcatggtc tgattgagac ccgtaatata ttcgagacga tcgaaattag 360
att 363

<210> 1423

<211> 436

<212> DNA

<213> Glycine max

<400> 1423

agcttggtga ttagggagag tattttagca tggaaggcta attaagggtga agtggatcag 60
agagagagat gaaaattcat gtttttttca tttctctctt cgagatcgcc agagaagaaa 120
tcaactaatg gccattaga gtggagatat gtgggttaatt agaaggaggg gaacaaatca 180
aggatgaggt gacaaggcaa ttccagcaag tgttttcaga atcaaagttc acacgacctt 240
gtttaccagg tgttgagttt aaacaaatta gccaggtaga tagctctttt cttattactc 300
cttcttttga gctggagatc aaggcagcgg tttggagttg tgatggtgat acaagtcttg 360
gccctgatgg gttcaatttt caattctcac ggcgtgttgt gaattttaag gcccagatt 420
tgttgtatgg tgcattg 436

<210> 1424

<211> 229

<212> DNA

<213> Glycine max

<400> 1424

agcttataat atatcgatac gctcgaaatt aaacatcgga gactctcgga aaattcaaat 60
agtcataact attcacacgg atgtccgatt catgcttata atatatcgat acgctcgaaa 120
ttaaacatcg gaaactctcg cgaaattcaa atggtcataa cttttcacac ggagatccga 180

ttcgccacat aatatgtcga gaagctcgat attgaacaac gaaagctct

229

<210> 1425
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1425

agctttgatg tttgtgttga atgcattata tgtaaataga ccaaaagtaa gaaattaggt 60
gcatatagag ctacagacat cttggaattg atacatacgg acatttgtgg gccatttcat 120
gcaccttcac gaaatggtea acaatatnt atatcattca tagacgatta ctccatatat 180
gcatacttgt ttcttataca tganatgtca cagtctctgg atgtgttcaa aaaatttaaa 240
agtgaagttg ataatcaact caacaaaaaa atcaagagtg tcagatctaa ctatgggtgg 300
gaatactaag gcaaataataa cggt 324

<210> 1426
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1426

cgacactatg atactcagct taacattcaa tntctagcgt ctctatatat tacgggactc 60
aatcagacat ccgtgcttaa agttattgtc gtttgaactt gtcagatct tcggtattca 120
atttcgagca tctcgatata ttacatgact caatccgaca ttcgagtaaa ttgttattgt 180
ggtttgactt tgctcagaac tttaacattc aatttcgagc gtctatatat attacgggac 240
tcaatcagac atccgtgtaa aaagttattg tcgtttggaa ttgctctaag catcaacatt 300
caatttcgag cgtcccgata tatgacggga ctcaatcaga catccgagta aaaagatatt 360
gtcgtttgga tttgctcaga gcacagcat tcaattccga gcgtctggat atattacggg 420
actcaatcag aca 433

<210> 1427
<211> 390
<212> DNA
<213> Glycine max

<400> 1427

agctttgagc aaattcaaac gacaatacct ttgactcgg atgtcggatt gagtcacgta 60
atatctcgag aactcggaa ttgaataccg aagttatgag caaattcaat cgacaataaa 120
tttttactcg gatgtcggat tgagtcacgt aatatatcga gacgctcgaa attgaatacc 180
gaagctctga gcaaattcaa acgacaataa ctttttactc ggatgtgcca ttgagtcctg 240
taatatatcg agacgctcga aattgaatac cgaagctctg agcaaattga aacgacaata 300
actttttact cggatgtccg attgagtcac gtaatatgtc gagacgctcg acattgaata 360
tcgaagctct gagcaaattc atacgacaat 390

<210> 1428

<211> 412

<212> DNA

<213> Glycine max

<400> 1428

agcttcagaa ttggttaagc atggcagata atgtgatcga tcactcttgt aatgagtttg 60
agggcacgta caggttcacc gattgggaca ccattctttt ctccactttt cttgtatgaa 120
ccctctgttc tggagatccc gggctcctgt ttacaagcgg agtacatgca atcttggaca 180
tagaaaagcgg tgtagtaatt gacgccaatg aaatccaatc ctctcttgag tttctctttt 240
tcgtagctgg aaaatttggg caagaggctt ccaagaacgt tctccatctc tgtaggggtac 300
tttccgaata tgattgggtc caagaacctg cattataata aagtgttact ctgggggagat 360
tgagtgaaca atagaaaatg ctattattaa gggagaacta gtattaacta ta 412

<210> 1429

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1429

cctgcactctg gacaagcaaa tgaagaagtt gcccatgatt attgttcagg ctagacacat 60
ggaaaggagg acaattaaac ctcataaaag atatggatcat gcataatctga tctcctatgc 120
tttaatagtt ggaaagaaga ttgaagttca agaggaacct cactcttatg atgaggtcat 180

aagcaacaag gacaattcaa aatggattga agctatggaa gaagaaatgt cttttctaga 240
aaagaattgt cctanagggc agtaaattgt tggatgcaga tggctattca agaggaaaga 300
aggttttgaa ggagttcana gtgtaagggt canagctagg ctagtagcct gtgggttact 360
cacaaggaag gagtcagatt tgtagaaatc ttctcaccta tggтанаааа tagttcaata 420
agaagtcc 428

<210> 1430
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1430

ggctggcca atagatttta tataacaact tgaatagtgg ctatatctag aagttggcac 60
caaattaact ggatttttgt tcagataggc tatatgttgt tgaagtgcc ttntcattta 120
ttcttgtaaa ttgcaggtga tagcagcaac aaaccgtgca gatattcttg accctgcct 180
tatgcgttct ggtcgattag atcgtaaaat tgagtttcca cacccaagtg aagaagcaag 240
agctcgaatt ctacacgttt ggtgtcttta aacttcact gctgacttgt ttatcataca 300
gaacatctac tgact 315

<210> 1431
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1431

tcgtggatgc ttactccaga tacaactaga ttaggatgca atctccaaag gaggcgaaga 60
tgacatttat cactaaagat accaacttat gctaaagggc tatgcccttt cagcctaaca 120
aatgtagacg ctacatacca atgactgatg gaccgagtct ttaaacaaca aataagacaa 180
aacatcaagg tatatgtgga caacgttggc ggtaagtctc gaagcatagt ccaacatgtg 240
gcagatctgc aagaagtctt caaggaactt tacaagtatg acatgcgcct caacctgaa 300
naatgtactt tcggtgtagg cagaggcaag ttctcgact tcatgatcac tcaccaaggg 360
attgaagcca accctaaca atgccctacc atactataga tgcac 405

<210> 1432
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1432

agcttatect cacttgcana ttgataact attataatct cagcgtttca acatcaaaat 60
 gatatgtaaa tggtttagac tcattctcca tgtgatcaga gagatatgaa aggcatttaa 120
 naacaagctc tagatgcaag tgtgaattgt cttctacaaa gaaaggaagg atcttctggc 180
 taatctcaat ccaactacac cctggattct tctttaatcc aagctctttc atctttgatc 240
 tcaccacacg tacttcatcc cacttatgtg cagaagcata catatttgac aagagaalat 300
 atggtgatga atcatcacga tccttat 327

<210> 1433
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1433

ctggaactac ttcacatgga ctngatgggg cctatgcaag ttgaaagcct tggaggaaag 60
 aggtatgcct atgttttgtgt ggatgatttc tccagattta cctgggtcaa ctttatcaga 120
 gagaaatcag acacctttga agtattcaag gagttgagtc taagacttca aagagaaaaa 180
 gactgtgtca tcaagagaat caggagtgc catggcagag agtttgaaaa caacaagttt 240
 actgaattct gcacatctga aggcattcact catgagttct ctgcaaccat tacaccacaa 300
 canaatgaca tagttgaaag gaaaaacagg actttgcaag aagctgctag ggtcatgctt 360
 catgccaaag aacttcccta taatctctgg gctgaagcca tgaacacagc atgctacatc 420
 cacaacagag tcacacttag aagagggact ccaaccacac tgtatg 466

<210> 1434
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1434

atcttgtcat gaatcctcgc cataaaatta catagacctg ccaattctaa atgaaaaatg 60
 taataaatcc aatgctaaca aaaaatagaa tagcaacaca cactcaaag acacatgcaa 120
 taacatttca atgaataaca aaataacata aaaacaatga tactattcgt tgaactacta 180
 agccaatata tgcaacaacc tgaacaaaaa aagaaaagcc aaattagcaa atagcagaga 240
 agcagaaaca aaaattatat ctctgaacaa ataatttgc aacctcaac aaacaaatag 300
 aaaggccgaa aacaaacaca aaaaagttca gctgttgga aacagaatac caacccatcc 360
 ttataccaca catgcaataa gatntncatc aatgccaaca taccacanaa agtattacac 420
 tatcaatc 428

<210> 1435
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1435

gcttatagtt attggaggga gaataaaata tattcattat caattgtacc tttcaagtaa 60
 cgaagaattc tttntgcggc ttttagatga ggagaggtaa gagcctccgt aaagcgacac 120
 acaactccca ccgtatatag aatatcgggc cttgtattgg ttagatacct taaactgccc 180
 acaagactct tgaaaaccgt ggagtctacc ttctgtcctt catcaaactt tgatgacttc 240
 aagccacctt ccataggtgt gttcacggga ttgcaatcaa gcatattaaa tttcttcaac 300
 acttcttttg tgtagctttc ttgtgagaca aagataccat tctccatttg cttcacttcc 360
 attcccaagg aatatgacat gagtcccata tctgtcatat caaattcacg agacatagac 420
 tccttgaagt cttc 434

<210> 1436
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1436

ttcatttac agacagcaca agaaagttaa tacggataac cactctgga tttccaccg 60
 tcaacgtgac tcaaagtca gtagacaga tcttgtgaag ggtggccgac aaaagcgagg 120

ctctngctcc tacgtatcct ccaatgagga actcagacct acgtagntct tgataacttg 180
 tgagacttga aaagtctcca cccgaagatg ctgacatctt cggaaagggc gcagatgacc 240
 acacttgccc tcatgctcgt caatcacact tggggtcact gaat 284

<210> 1437
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1437

acattnctgt gaatgtgaca atctattcct tagtggattg attcacctta acagccana 60
 aaatcatata agcataatta gatgcaacaa ctcaatcctc tccaatcttc atatgattgc 120
 accaaatgaa agcccaaaca ctgatgagaa tgttatctca cattcatcca acatttccat 180
 aaagaactcc aagatggaaa ttggtaaactc atatataagt tacaatcttt aattgcataa 240
 ttattatata ttgtccttaa atcattcaat gagattgcat agccctttaa ttcctagttt 300
 tttttataag gctactcaag tggtagatcc tctcttaatt ntttttattt aaaaattatg 360
 tgatgcgtaa atattcatgt ttctcattta agttgacaat cttatgtaat aaaaagaaga 420
 cacaaattct cttcata 437

<210> 1438
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1438

ctcagcttca catcagacca cttccagggt gctggatcta cttcacatgg acttgatggg 60
 gccgatgcaa gttgaaagcc ttggaggaaa gatgtatgcc tatgttggtg aggatgattt 120
 ctccagatat acctgcgtca actatatcag agaaaaatca gacaccttcg aagtattcaa 180
 agagctgagt ctaagacttc aaagagaata agactatgtc atcaagagaa tcaggagtga 240
 ccatggcgca gagtttgaaa acagcacgtt tactgaattc tgacatctga aggcacactc 300
 atgagttctc tgagccatta cccacaacag aatggatatt tgataggaaa aacatgactn 360
 tgcaagagac tgctanggtc atgcttcatg ccacagaact tctctataat c 411

<210> 1439
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1439

atctccaatg ctatgtacct tntactcata ccccttcttg gtgtagcttc tgctcatctt 60
 tcaacaatct cttaccaaga tgttgccaa ctatgggaaa atctcaagtt caatcttgtc 120
 tcagtgactc tatgttctag ccttatagtg ttccttgca ccttttactt catgagccgt 180
 ccaaggggtg tttacttggg ggattttgcg tgctacaagc cagagccaga ttgcacttgc 240
 acaagggaga ttttcatgca caggtctgtg gaaactgggtg tgttttcgga ggagaacttg 300
 gcctttcaga agaagatact tgagaggtct ggtttgggac aaaagactta cttgccccca 360
 gcaatcttga gtatccctcc aaacccttgt atggctgaag caaggaaaga agctgagcaa 420
 gtgat 425

<210> 1440
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1440

agggtatgcy aaatattcga cntngcgca tgccgtgagg ttntatgaga ggatgaggtg 60
 tgatgaggtt atgcccgtgg tgtatgattt tacctacttg ttgcagctgt cgggggagaa 120
 tttggacctc aggaggggga gggagattca tgggatgggtg ataactaatg ggtttcagtc 180
 caatttgttt gccatgactg ctggttgtaa tttgtatgcc aagtgtatgc agatcgagga 240
 tgcatacaag atgttcgaga gaatgccgca gagggacttg gtttctgga acactgtggt 300
 tgcgggttat gcacagaac 319

<210> 1441
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 1441

atatttatac atgataaaat tccaagtagt gtatacaaca atagttaagc aatcacaatc 60
ctttttaact caaatcaaat acaaaatcat gtaatgaata ataagttatg ttgctttaca 120
ctgggtgtca ataacattaa caattggtcc atcctttata atagttcttt gcaattcaca 180
aacacgtggt acaccagagg agcttgnact tcgattgaag gctctccttc caagaacact 240
atttctact gactcttgc cattgccagt acgtccgact aaaactagtg tcctaacttc 300
attagacgag gatgtttttg ccattgatag taacaaatth atgttacagc tgcaaggaaa 360
atatatcata aataanaatt tagcaataga ataaattata cacacacaca catatatata 420
tgaacatata atgtaattac aactaataaa catttaanaa acaaa 465

<210> 1442

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1442

agctaccatg ttcacctcat gctcaactgc ctctatctta aaacaggccc tgtgggtcatt 60
tggatgctta attgtgtaaa atagattgaa ggtaaccttt tgatcatcta cactcattta 120
taggttacca tttccaatgt ccactacata cttagcctca acgtgaaagg atggcctaag 180
atcaatggaa tttcagcatc ttcctctata tccatgatca caaaatccac aaggaatgtg 240
aattgacgaa ccttgaccaa cacatcctcc accacatcgt aagatcttgt aattgaatga 300
ttagcaagct gcaatgtcat tctggttggt gcaatctcta agttcctgat ccttctacac 360
ataaataggg gcattagatn gatgctagcc ctcaaatcga ttagttcttt tccaactgat 420
acaacaccta ttgagcacgg gataactcata ctccctggat ctttgcctt 470

<210> 1443

<211> 419

<212> DNA

<213> Glycine max

<400> 1443

actaagcgtg gaaaattaac atatcatacc attcttcgac ttttattgat tatttgcata 60
attactttcg atgagttttg acaatctatt gtagaatatt tttataggac ctagattctt 120

gctgtaatat ttcaacataa acatcaatth atatgtgtac ataataatac ttgaacaata 180
 attttaactc ctcaacagaa ttgtacatta aagtgtttca agattttgca ccactacacc 240
 taattttaat tatatttaat ttcattattg ttgtgataat ctctttcatt tttaaaccat 300
 gatattgata cgaaattgta ttcggtccaaa acaataacaa atctctatta aagaccataa 360
 acacatgtaa tataaatata tgtcttcaac ataatttatt tcatgtgcaa taatgaatc 419

<210> 1444
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 1444

tttagatgat gcagatgggt ttgtatctac ctcatgcact cctctaataga ctatggcatc 60
 atttctggcg ctaaactgct gggagtggga ggccatcttc tcaattaaat ttctggcttc 120
 agcaagagtc atgtctccaa gggctccacc actggcagca tctatcatatc ttctctccat 180
 attactgagt ccttcataaa aatattggag aagaagttgt tctgaaattt gatggtgagg 240
 gcaactggca catagtttct tgaatctctc ccagtactca tacaggctct ctccactgag 300
 ttgtctaata cctgagatat ccttcctgat ggctgtggtc ctggaagcag ggaaaaatta 360
 ttctaagaat actctcttaa ggtcatccca gctcgtgatg gaccttggag caaggtaata 420
 cagccagtcc ttgccaactc cctctaataga atg 453

<210> 1445
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1445

atccttagag tcacctgagg ctgcagcttg cgtgatectt gaagttnttc tatcatcata 60
 gtttctaaat ctttggtttc cttgattgtc acaacaatgt gcacaaattt gggatctaac 120
 gagcatagta tcttctccat aattcttaca tcttttaact tctcaccatt tctttctagt 180
 tgatttgaaa ctacgggaat tcttgaaaaa taatcagaaa tggactccga ctctttcata 240
 tgtaaggatt caaactcacc tcttaagagt ttggagacac accttattta ctttgtcttc 300

tcctttgtga gaggtttgaa gcttatctca tgcctcctta gcgaatgttg catcagaaat 360
 cttctcgagc gcacatcat ctaatgcttg aaagatgaag aagagagctt tcttgtctct 420
 ctttcttgaa tcctttaaag tcccttttgt gcttgggata atgaagtctc at 472

<210> 1446
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1446

ggctctgcaa ttaggtgtca attcatctat atgatcacta acagaaagaa accactctat 60
 ctctctgctc cacattgctt tcttctctga acgcaggggc tctaattctcc aaagttggcc 120
 aaagagggta gctgcaaatt cagcaaagaa atgaacaaca acaatcaaag tcaagaatag 180
 caaatgaata aaattcacca caccaattaa taaaaataa aaacacagta actgcttcaa 240
 gtgtgcattt tgcataccac atagattggg tatggcattt gagatagcca aggctgtagc 300
 gaccccatct ccacaacctg acatatcttc tccaagtaac aattttgcaa acctctcctt 360
 catcatctca atctctacaa gtgagaatga anatcanatc tcatacact gatcatcatc 420

<210> 1447
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1447

gcgcaacaaa tattatattg ttgcgtgatc agtgtaaate actatctttg atcccaccaa 60
 ataagatcga aatttctcaa gtgcaaacac aattgccagc aattctttct cagtgggtggc 120
 atagataatc tgggcatcat tccaaacttt gctagcataa tagatgggat gaaacattct 180
 gcccttcgc tgcctgccc tagcatagca cctactgcat aatcacttgc atcacacatc 240
 aattcaaact cttgtcccca gtctgggtgct ataatcacat aagcagaaac caatttggt 300
 ttgagagtgt taaaggcttc taagcattct tcattgaata caaacacaac ctcttgttc 360
 aacagattgc ttacgggttt agaaantttg gagaagtttt taatgaatcg ccaataatat 420
 ccagcatgac ccataaagct gcgtatgccc ttacattaa c 461

<210> 1448
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 1448

aacttctcct tcctcaggtg tacccaaacc caatcacctg gttcaagcat gactatcttt 60
 ctgcttttgg tggcttgct tgcataactc gcatttttct tttcaatttg agccatcact 120
 tgctcatgca gcttcttcac attctcagct ttagcttggtg cgtccttatg cttaaacata 180
 gcaatgttag gcatatgcaa caaatcaaga ggagtcaaag gactaaatcc atacactatc 240
 tcaaattggtg aacaattaag tgtgctatgg acagcccgat tataagcaaa ctcaacatga 300
 ggcagacatg cttcccaaga ttttaagaatt ttctttaaaa cagtcctaag tagtgtgctt 360
 aaagtcctat tgactac 377

<210> 1449
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1449

actggatgcg ttgggtcaact gggtaacca gctggccttg aatcatatat ctgtacctgt 60
 cgcaagggtt tgtggtttgt gctcctctgc tgaccaccat acagaccttn gcccttccat 120
 gcagcaacct ggagcaattg agcagcctaa agcttatgca gcaaatatat acaatagacc 180
 tcctcaacct cagcagcaaa atcaaccaca gcagagcaat tatgaccttt ccagcaacag 240
 atacaacctt ggatggagga atcaccctaa cctcagatgg tccagccctc agcaacaaca 300
 acagcagcct gctccttctt tccaaaatgc tgctggccca agcagaccat acatttctcc 360
 accaatccaa caatagcaac aaccccagaa ac 392

<210> 1450
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 1450

aatcatccgg atctgagatg ggcaagtctt ctacaacaac aatagactgt cccttatttc 60

caaaatgttg ctgggtccaag caagccatat gtctctctc caatgcatca gtggtagtaa 120
 caacaacaac aaagacaaca agcaactgag gccccttctt aaccttcctt agaggagtta 180
 gtgaggcaaa tgaccatcta gaatatgcaa tttcagcaag aaacaagagc ctccattcaa 240
 ggtctgacaa atcagatggg tcagatggct actcaattga accaagctta gttccaaaat 300
 tctgacaaat t 311

<210> 1451
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1451

acatgctttt ttgggtgtca tgctacaaag gagagagcaa gaaatgaaga gtcaatgggt 60
 gatacatggg cggaaatgaa aaagatcatg aggaagtggg atgtgctggc tagttactca 120
 agggacttga aattaaaagc tccagaacta accctatgaa acaaacgggt tgaggagtat 180
 ttcaaggaaa tggatgtgct tatgattcaa gcaaagattg aagaagatga ggaggtaact 240
 atggctcgat ttcttaatgg tttgactaat gatatccgcg atattgttga gttgcacgag 300
 tttgttgaaa tggatgattn gttcacaaa gcaatccaag tagagcaaca at 352

<210> 1452
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 1452

agcttcttag tttcagatga tgcagatggg tttgtagcta cctcatgcac tctctaatg 60
 actatggcat catttctggc gctaaattgc tgggagtggg aagccatctt ctcaattaaa 120
 tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tcttcataa aatatattga gaagaagctg ctctgaaatc 240
 tgatgggtggg ggcaactggc acatagtctt ttaaattctt cccagtactc atacaggctc 300
 tctccactga gttgtctaata acctgagata tcttctctga tggctgtggg cctggaagc 359

<210> 1453

<211> 363
<212> DNA
<213> Glycine max

<400> 1453

ctcacactga tgtccgattc ggggacatat tatatcgaga ctctctatat tgaacaacgg 60
aagctctcgg gagaatcgaa tggtcataac ttttcacacg aatgttcgat tctgggacat 120
aactcatcta gacgctcgaa attgaacaac ggaagctctc gagaaattcc aatggtcata 180
agttttcaca cggatgttcg attcgggaac ataatatatc tagacgctcg aaattgaaca 240
acggaagctc tcgagagatt cgagtggcca taacttttca cacgaatggt cgattccggg 300
acataatata tcgagacgct cgaaatggaa caacggaagc tgcgagaaa ttcgtatggt 360
cat 363

<210> 1454
<211> 311
<212> DNA
<213> Glycine max

<400> 1454

agctttttta tctagttaga tctaaattat caggtacatg agcataagag acacaaccaa 60
aaactctaaa atgttgaact gatggcttga ttcttctcca ggcttctttg ggtgttatgt 120
ccttcaccgc tagcgtggaa ctggggttta atacatgcac aacccaatat actgtttctg 180
gccaaaaagt gttaggcact ttcttttcaa tgctgcgaac caaattcatg actgtgcgat 240
tctttcattc tgcaacacca ttttgatgcg gcgaatatgt agctattaat cggctgtgcg 300
ctccatgcac a 311

<210> 1455
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1455

agcttttacc aaagagttnt actctctggt aaacgattac cagtttactg taatcgatta 60
ccagtagcaa aatttgtttt caaaagcttt caaattgaat ttacaacggt ccaattaatt 120
tcaaaatggt gtaatcgatt acaagatttt ggtaatcgat taccagtgtg tttgaacggt 180

gaaattcaaa ttcaattgtg aagagtcaca tcttttcaca aaaatgcttt gtgtaatcga 240
 ttacaatgat ttggtaatcg attaccagtg ataagttttg aataaaaaatc aaaagatgta 300
 actcttccaa tggttntcaa gtttttctaa aggttataac tcttctaatt 349

<210> 1456
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1456

tgtaccctac acagaatata aggataaattg tgtatttttaa aatgagaaaa aatacttttt 60
 tttgtatttt atatatTTTT ctttaattaa aatttcaatt ttaattaatt catgtaataa 120
 atgctagtat gatataataa tattgcttat attaaatatt agtatgatat ataacttaatt 180
 ttagtaaatt tcaattntga tttgacaata acaccaaaga tttttttgta aagaattaca 240
 tataaaatttt atctttttaa aatggctaatt taccattttt ttttgtgttt ctctgtgcaa 300
 gtattttttt tgtaatacca aacatgtttc atatgtaaaa atttgtgaag taaatnttac 360
 atttacttat ntatatatgt ctcttgagaa taaaacatac aattaagaaa ttttaattaatt 420
 attctgcatt atacactgaa aatattttta atttcttatt acattcttng nctnttatat 480
 attc 484

<210> 1457
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1457

agcttggtcac ttgatgtcaa ccagtctgct atttgttctc ttgtcatctt ccattatatt 60
 tagcaatttg gaaatttatt gcttttacac caagtgatgt ttcatagttt agttattaac 120
 atctacgata aaactttatg gttagcataa actggaacgc tgaacaacag taggtgttgg 180
 ctttgggttc atgctttctg atagaacaag tactttgaag acatgtttta ataattttt 240
 tcataatttt gaaactgttt tatttaagct tcagcagttg ttgcttgcta gtactcatgc 300
 tatgttggtt actctctagt ctacttacta ctaatgttgg agctntttcc catctatgct 360

ctctatatcc agtatttgaa gttaagagct cttcanaggc aatcctatac acattacttc 420
 tatgaagcaa ctgtcggagc tgggtcttcca atttgtagca ctt 463

<210> 1458
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1458

cactcaagct ntacacgaat gtccgattcg ggcgcataac aaattgaaca atgaaagctc 60
 tcttgaattt cagatgggtca tagactttta cacataagtc tgattctggc acatcacata 120
 tagagaagct caaagttgaa caatagaaac tctcaagaaa taaaaatagt cataactttt 180
 aactcggacg tctaattcag ggcgcataata catcgagacg ctcgaaattg aacaacgaaa 240
 gctctcgaga aattcaaattg gtcataactt ttcacacgga attccgattc atgcggatag 300
 tatatcgaga cgctcgaaat taaacgtcgg aagctgtcga aaaattcaaa tggtcatacc 360
 ttttcacatg gatgtccaat tcggatgcat catatatcga acaacggaag ctctcgacaa 420
 attcaaatgg tcataactnt taccacggag gtcagaatca cgcgcataat atattgagac 480
 gct 483

<210> 1459
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 1459

tgacaactta tgactatttg aatttcacga gagcttccgt tgttcaattt cgagtttcac 60
 tatatgtgat gcgcctaaaat tggacattcg aattaaatgt tatgaccatt tgaattttctc 120
 aagagcttcc ggtgttcaat tctgagcgtc tcgatatgtg atttgctga atcggacatc 180
 cgtgtgaaaa gttatgacca tttgaatttc tcaagagcta tcgttgttca atgtcgagcc 240
 tctcgacata ttatgcgcct caatcggaca tccgcgtgaa aagtatgac catttgaatt 300
 tctcgagagt ttccgatggg gaatttcgag cgtgtcaata tattataagc ct 352

<210> 1460

<211> 343
 <212> DNA
 <213> Glycine max

<400> 1460

tatgattcca tgtgctgcga attcttggat tggatgttta tgtccattgg cttccccaga 60
 ccagttctgt acttggatca tggagtgtgt ttcttccact tccttttagtg tggcagacaa 120
 tggatccatt tatggtcact tcacaggaca gcgggggtctt agacaagagg atcctctctc 180
 cccttatctg tttgtgctct gtttggagta cttttccaga gatatgagca gcctcaatga 240
 tgatgccaat tttaaatttc atcccaacta tgcaggtatt cagctatctc atttggcttt 300
 tgcagatgat altatgettc tatchagatg agatatccat tct 343

<210> 1461
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1461

tatatccatg gcttcctatg gtggtgagtt tcttctaaac tcattcttctc cttgaagtgg 60
 ngctctctct ctctctcttc cttctccatt ccgctgccat tcattcttcca agaagcaaag 120
 gaatccattg atgaagaaga tcctaggcct acaagctcca atggagctta catcatgtgg 180
 tatcaagagc atctccatct aggtgatgtt cttttgcttc ctctatcttt ttgttcggtg 240
 aattctctnt aattccttgt tcttcattct attctccatg tatatcctcc attgtcttgt 300
 ggtttggtgc tgtaagagt agattcaaaa aaaataaacc aattaaatct tagatctaca 360
 cttgttcttg catttctatg gttcanattn tgtagatcta ctcttgaatc angtttttgt 420
 gtngattnta ggatctatnc attttcattc ataataattct tgtgctgat 469

<210> 1462
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 1462

agctctacat gtctcatgac acctaagcac acttagtgga taatcttgga cttgatcttg 60
 ttttagtgag ttgaaccata gctgatattc actaatcata atgagtgaat tatttggctc 120

caaagatggc tccacaaatt aaaattcaag ttcaagtga gattgaatac aaaatcttac 180
 ttgctatcta tattgcggga cacttacgct atatataaaa gctctgctg tgcattgtct 240
 caactcttga cattcgagaa attacacttc caggcttaga ccttatttga gg 292

<210> 1463
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1463

gatcttccgt lgttcaattt cgacttctc gacatattat gcgccgaat tggacattcg 60
 tgtgaaaagt tatgactatt tgaatttctt gagagtttcc gatgtttaat ttcgagcgta 120
 tcgatatatt ataagcttga atcggacatc cgcgtgaaaa gctatgacca cttgaatttc 180
 tccagagctt tcgntgggtga atttcgagcg tctccatag tgattcgccc gaatcggaca 240
 tccgtgtgaa aagttattcc cgtttaattt ttcacaa 277

<210> 1464
 <211> 217
 <212> DNA
 <213> Glycine max

<400> 1464

attcaaatag tcataactat tcatacggat gtccatttcc ggccgataat atgtcgagag 60
 gctcgtaaata gaacaacgga agctcttgag ataataact ggtattacct ttcacaccga 120
 tgggccattt acgccgaaca catattatga agctccaaaa tgcaccaccg gagcttctcc 180
 gaaatttcaa agggcataaa ttttttcacc gatggcc 217

<210> 1465
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1465

gtactatctt catgcgattc cttntctcc ctcttctaatt attatctcac aaatcccaac 60
 ggtaaggga tgctcaattg aatttcgaac aacatatcca aattttacta caatccaatg 120

gttacgaat ccaagatcgt atttttacca agacagtttt gggtttctgc gggaaaataa 180
 aatgctacaa tgccaagggg tttatactaa gctcagacat gattttgaaa ttcccaacgg 240
 tgagaatggg cggaattggg ttttgaaccg ggtgcttaaa tttcacgatg atccaacggg 300
 gaatgagtc gagatcatca ttcttctgag acatgtttag tggctctacgg gaaaagagag 360
 gttga 365

<210> 1466
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 1466
 agcttattca tggatattgt aggacgttta cttggtatgc cacgaagcat tgtctcggat 60
 cgtgatccct tattcgtgag taaattctgg aaggagctct tttctctcag tgggacaaag 120
 ctctgcctca gctccgcttg tcaccacaaa ttcgatgagc aaaccgaggt tgcaaaccgc 180
 atcatcgaac aatatttgag agcatttggt catcaaaacc cttegcaatg ggggcactat 240
 ttgctgtggg ccgaatggc ctacaataca tcttgccact cageccaccg cgtcacgccg 300
 tttgaagtaa ccttcagcag gaaaccaccc aatttcctc attatgtcac aggaactgcc 360
 aaggtcgacg ctgttgacga tatgctc 387

<210> 1467
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1467

agcttctggg gggacatctt gacttgctgt ttaatctgac attcattaca cattctgcct 60
 tcttctatta tcagattggg aatgcctcta acagcacctt tgtcaatgat tatattcatg 120
 cctcttgagt gcagatgtac aaatgtttga tgccataatc agacttcac ttctttggag 180
 gatagacatg tggaggagta actgggttct tgagatgtcc atangtagca gatgtgcttt 240
 gatctgctgc ccttcattag aactatactc ttgtcatttg tcaccaagca ttctgacttt 300
 gtgaagtgt cattgaatc ttcacacac agctgactga tgctgataaa gtatgcagac 360

actcccttca ccaa

<210> 1468
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 1468

agcttaacaa ggctctctgt ggcttataaa acatgcccc aagacagtgg ttgacaggtt 60
 gaaatctact tttcttcagt ttggctttgt gggaagcaaa tgtgattctt atctgttcac 120
 ctacacacat cagaagcata ctgtccatct tttagtctct gtgaatgata tcatcatcac 180
 aagcaaltct atctctctta ttcaacagct aatttccaaa cttaacactg cttctctctt 240
 taagcagcta ggtcatttgg attatttttt gggactagag atcaaatacc ttgctaataa 300
 ttctatacta gggactcaaa gcaaataat ttgtgattta cttcacaaac tcaaattggct 360
 gaagcacatt ctatttcttc tcccatgggt tctaac 396

<210> 1469
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1469

agcttcttgt gattcacaaa gctactccac cctgtagtta acaagtgccg gcgcggcggtg 60
 cccctataaa tgtgcctaaa tttccatgtc tcaccatgaa catccttggc aaggatgttc 120
 tgaacgggag ggtccgcgga atattccaac cgaggaaaaa ttgtctcagc acaatatctg 180
 ggaacagaaa agccccacc attgttggca tcaaactgtg tcaagggttt ggcaaaagaa 240
 ggggatttat ctttattttc agatccattg atgcctacaa cagcatcatc ctcaaaatca 300
 ccctcgtttc tgggtcaaatg aacaagccta agctntacat aaacctcatc agtttcaaga 360
 tcagccatgt attagatagc tccaactt 388

<210> 1470
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 1470

tctcatttat ctccaccatc cggccaact tccgcttgaa ctctgggttt tcaacatcaa 60
 gaacggctgg gataatccga tcagtcgtgc ggtttgtctg cataaataat ccagacattg 120
 aagcttgagt aactgggtgt aatatacgag ttcattcatta gatgcttggt gatcgacttt 180
 attagtgata gtttctaatt ctaactcgag gctccattac tttcattata tcatgttctg 240
 ttactaaatt gactatgtaa ttgagaatgg ataaaaacaa atattgatta taaaaataa 300
 caatggagga atggtgatta tagaaaaatg caaacacaaa ctaacctcga taatgacatg 360
 catgtcaaat tcttttgtgt taagtccaat gccttcgtag aaagctgtac gttggcaatc 420
 atcgagatac attgtgac 438

<210> 1471
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1471

tcatgagaga gtcaaagatc aaattgagag gaaaaataat agctatgcta aacaagccaa 60
 caaagggaga aagaagttgt cttcaaacc ggagattggg tttgggtgca catgagaaaa 120
 gaaagggttc cggaacaaag gaaatcaaaa cttcaaccaa ggggagatgg accatttcaa 180
 gtgcttgaaa gaatcaatga caatgcttac aaagttgagc tgcccgggtga gtataatgtt 240
 agttccacct tcaatgtctc tgacttatct ctttttgatg cagatggaga atccgatttg 300
 aggataaatc cttctcaaga gggagagaat gatgaggaca tgaccaaaag caagggccag 360
 gatecacttg aaggacttgg aggacctatg ancagggtga gagcaaggaa agccaatgaa 420
 gctcttcaac aagt 434

<210> 1472
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1472

ctcaagcttg gcgagagtta aacaagaaca ctntntggcc aatatggaac tccttcctaa 60
 gaatcctaga gtcatgaatc ctcttcactt tctctttgta gatcttggat ttctcatagg 120

cttctaagcg aatctcttca agttcttgca attgaagctt cctttccata cccgcttcat 180
 caaatgccat gttacaaccc ttcaccgccc aataagtga gtactcaatc tccaccggaa 240
 gatggcatgc cttaccaaaa accaccatat agggagacat ccccaaaggt gttaggtaag 300
 ctatcttggtg ggcccataaa gcatccaaaa gtagcttgct ccaatccttc ctattaggat 360
 gcactacctt ctacaacact tgcttgatct ctctattaa aacctccact tgcccattag 420
 tttggggatg ataagctata gcaa 444

<210> 1473
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1473

agtaagatac tattgctgtg gaggtgacgt acaggttctc actgctgttn tgtgtctgga 60
 tatgtgttta ggtgtgaaat atggaggtaa agctgcagac acgtgggcag taggagttac 120
 ttatactgt atgatattgg gtgaataccc ttttcttgga gacacacttc aagatacata 180
 tgacaaagta agaaatacac actcagacat atatgacaaa gtaagaaaaa catgcatggt 240
 ttattataa ttacaacaaa aatgtcattc tgttttcaaa agttctcact ttactaagtt 300
 tcgtaacttt ttcaccgga tattatactc tgattggcat tcatattttc tgggtgcctat 360
 atcacaatct tagcttgcta ttttcttctt gatccagata gtcaataatc ctttagtact 420
 cccaacgat atgaat 436

<210> 1474
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1474

tgagggaana cttgatgcct tggatgaacct agtaactcag cttgccataa atcagaaatc 60
 tgcatctgca cctgttattg ttgcaagagt ttgtggtcta tgttcttttg ctgatcacca 120
 tacagatctc tatcattctt tgtagcaatc tggagtcaat gagcaacctg aagcctatgc 180
 tgcaaacatt tataatggac cccctcagca gcaaaaccaa caacaacaga ataattatga 240

tctttcaagc aacagataca atccaagttg gaggaatcat ccaaattctga gatgggcaaa 300
 tcttccacaa caacagcaac aacagcctgt ccttcccttc cagaatgctg ctgggtccaag 360
 caggccatat gttcttctc caatgtagca acagcagcaa caacaacaac aaagacaaca 420
 agcaattgag gcccttctc aa 442

<210> 1475
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 1475
 tccttaagaa gattcctaaa gaagcttgag ctttagctaca catacctctc taatagctaa 60
 gctcacctcc ttgagatgag aagctagagc ttagctacac cccccctata atagctaagc 120
 tcacccccat gacaaaaaac atgaaaatac aaaaaaaagt ctttactaca aagactactc 180
 aaaatgcccc aaaatacaag gctaaaaccc tatactacta gaatggccaa aatacaaggc 240
 ccagacgaag gaaacaccta ttctaattatt taaaaagata agcggggtca tacttagccc 300
 atggggtcga aatctaccct aagggtcatg agaaccctag ggccttcctt tggatctcta 360
 gccaatctac ttggagtctt ctaccaatg cccttgcagg taggattgca tcattccttc 420
 caccttgga aga 433

<210> 1476
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1476

ntaagagana ttcccttctt cttcttatca ttctcctcat gttgattcaa tctcttcaat 60
 tccattcatg ttctgtaac ttccaaaca aggtagcaag agacatgtta gtaagatttc 120
 ttgattcaat aatggtcatt accttgggt gccattcctt acttatgcat cttaacactt 180
 tattgacaag atcttcattt ggaaatattt ttcttaaaga tgcaagatga tttattatgt 240
 aggtaaatct cttttgcatg tcttgtatag ttctatttgg attcattcta aataactcat 300
 attcatgagt taaagtattt atcctagatc tttttacatt tgttgtcctt tcattgggtta 360

cttgtaagggt atcccacata tctttctcat gtttgcaatt tgacacccta nagtattcat 420
 ctattcctaa tgcagatgta atg 443

<210> 1477
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 1477
 tccaatgaga gaaatgggtc taatttatca agtcctatg ggccatcaac ttttgaaca 60
 agtgtagtaa aggaggggtt ggccgccttt gggattacac catgttcata aaagtcagca 120
 aaaaccttca acacatcatt ctttagtctt ggccaatttt ttttaaagaa ctttaagttaa 180
 agccattcga agccagactt ttgttactat cacaatctca tattgcttct ctaatctcac 240
 tctctcaaaa ctttcaaaaca agcatatcac tctccacatc agttttatgt ttgaacgact 300
 ctttaactct ccaaccttgg tctaactctc cttcatcttg aaatctctt ttaaagaaac 360
 acttcacatt ctctttaacc actcttggat cttctctcca cttaccattt accaataaac 420
 cacttattgg aattttcatt cttctccatt 450

<210> 1478
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 1478
 tactgcgacg agtgcgcttc ttgtaaagaa tacggtatcc gcactcacgg cactgtataa 60
 cgtcaccggg cttcagcgta ttctccattc cacaatctgc aacagatata aacacaaaat 120
 cacatttcac tcttaaaacc ctaaacccta aacacacact ttttaacattg gcaaaaaagg 180
 taaacgaaaa acgcaattag gtcaaaaaga gctgtgatta gataagaaac ctccgcatat 240
 gtagctgact ggctcaggct gaggatccat cgctgggtcc agcgagggtgt aaaggaagaa 300
 ggttctaggc tttagccttt agctttctgc tcaacgaaga aaatgtaaag tggctcagaa 360
 tcagaggctc taaaacgaag gattgggctt catcttcagc ttttatgggc ccaaattcgc 420
 aacttacatg tccaaaaccg ag 442

<210> 1479

<211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1479

tccatcactt ttgacgactg ttaagtgaga ttccttagca ttggcctgat accttgcaca 60
 taagtaagca cttagcatga catatggtct atttttaatt aagtagagga gtgatccaat 120
 cataccteta tatcttaact catccactga tttacctttc tcacttaagt caaggtaagt 180
 taaagttgcc attggagtag atgcttcttt gcattnttcc atgccaaatt tcttaattag 240
 ttttgtacaa tatttcggtt gatttaggaa ggttccatgt ttcatttget tgacttggag 300
 tccaagaaag aagttcaact ctcccgatc agacatctca aattccttct gcatacaact 360
 agaaatttcc ttacacaaaa tntcattagt agcaccaaatt ataatatcat taacatatat 420
 tttaacaatt agcaactcac t 441

<210> 1480
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 1480

actaagcttc tatccaaggt tcgttcctaa tttctctaca attgcatcac ctctcaatga 60
 gctagtgaag aagaatgtgg catttaactg gggtgaaaaa caagagcaag cctttgcttt 120
 gcttaaagaa aagcttacta aggcacctgt tctagctctt cctaactttt ctaaaacttt 180
 tgagctagaa tgtgatgcct ctggagtggg agttggagct gttttgttgc aagggtgggca 240
 ccctattgct tatttttagtg aaaaacttca tgggtgcgacc cttactacc ccacctatga 300
 taaagagctt tatgccttaa taagagcact ccgaacttgg gaacattacc ttgtttccaa 360
 ggaatttgtc attcatagt atcaacaatc acttaagtcc attagagggc aaagcaagtt 420
 aaacaaaagg catgcaaaat gggtagagta cctag 455

<210> 1481
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 1481

ttaaataaat aaataaatat caatatatta tataaaacaa agttattgat tgtgtctgtt 60
acttaagaca catgacaaac gctgatgcag ttaggectcg cgtaattaaa tattatttcc 120
cattgaagaa aaaaaataaa attcaaaata agaaataaat caaacaccaa gtaattctat 180
cacacaataa ctctaaattt atttgttata ttcataataa catgctattg ttttaattatg 240
taaactgaaa ctgattgacg ggaaaagaag aatgatagtt tagataactc agaaccaact 300
taaataaaca attttaatga ccaagggtt aaaggatgaa aatatccaac atcttttaat 360
attgtatgta cctttcagta gaatttttat attgatgaat gctaacaaaa ctcatntttt 420
aacttgatgg aatccttact at 442

<210> 1482

<211> 442

<212> DNA

<213> Glycine max

<400> 1482

tcgtggcact ttgccaagac cttttaaaagg actgtcggct cataactctg gatctcaatg 60
gcaaccaatt attagaaggt tttttgccag aatctttgtc caattgcatt gatctggagg 120
ttttagatct tggaaacaat caaataaagg atgtgtttcc ccattgggtt caaactctac 180
cagaattgaa agtattgggt gtgcgagcca acaagttgta cggccccatt gccggtttaa 240
agatcaagca tggatttccc tgtttagtca tctttgatgt ctctccaac aacttcagcg 300
gcccaatacc aaaagcctac atacaaaaat ttgaagcgat gaagaacgtt gttatagata 360
ccgatcagca gtacatggaa atttctattt ttgaatataa taacatgtac agtgattctg 420
tgattataac aacaaaagca at 442

<210> 1483

<211> 444

<212> DNA

<213> Glycine max

<400> 1483

actcagctaa taattatttg gtaaaaaaaa catctacaat cagtcaagga gataagaaaa 60
acatcatcct aaaaagtatt atatccta atgtcccttc caacccttca atccttgttt 120

gatggaccat caacggtatt ccaagtagct gattcataaa aaaagaaagc ataatgaata 180
ccatttttat cttaaattga aaaggctaag agattagtta aaaagataat atattttatt 240
gttgaacctg tgatgggggc ggaagtggct ataagaccct agacaatccc aaatcgatca 300
ttgataacca ctgcaaaatt aagattaatt attacaaaaa cagaggcaaa tttaaagtat 360
agataaaaga ccaacaaata tgcataagg gttatcaaac aaaaaacttg aataggctat 420
cgtattggag aaatagttag catt 444

<210> 1484
<211> 338
<212> DNA
<213> Glycine max

<400> 1484
actcagctta acatcagacc acttgccgggt gcaggaacta cttcacatgg acttgatggg 60
gcctatgcaa gttgaaagcc tttgaggaaa gaagtatgcc tatggtgatg tggatgattg 120
ctccaaattt acctgggtca actttatcat agagaaatca cacacctttg aagtattcaa 180
ggaggtgagt ctaagacttc gaagagaaaa agactgtgtc gtcaagagaa tcaagagtga 240
ccatggctga gagtttgaaa acagcaagtc tactgaattc tgcacatctt aaggcatcac 300
tcatgagttc tctgcagaca ttacaccaca acagaatg 338

<210> 1485
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1485

actatagaaa ctcagcttaa cattcaattn tgagggtctc gatagattac gggactcaat 60
cagacatccg agaaaaaagt tattgtcgtt tgaatttgct cagagcatca acattcaatt 120
tcgagcgtgt cgatatatta cgggactcag tcagacatcc gagttaaaag ttattgtcgg 180
tcgaatttgc tccgacgatc aacattcaat ttcgagcgta ctgatataat acgggactca 240
atcagacatc ctagtaaaaa gtggttgctg tttgaatttg ctcagagctt caccattcaa 300
ttttgagcgt ctagatgtat tacgggactc aatcagacat ccgagtaaaa agttattgtc 360
cgggtgaatta gtcagagct ttcacattca gtttcgagc 399

<210> 1486
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1486

tgtcaaagag ggaagcaagt tagaaactct nttcaaagca agaacattgt ttctacttcg 60
 aaaccccttg aactacttca cactgattta tttggtcctt ctagaactat gagtttgggt 120
 tgtaattact atggcttagt tatagtagat gattactcaa cgttcacatg gactttgttt 180
 ttgaaaacaa aaaatgaagc ttttgatgct tttcgcanac ttgccaaggt gattcaaaat 240
 gaaataggtc ttaacattgt ttcacttaga agtgatcatg aagggtgaatt tcaaaatgag 300
 tcttttgaaa tattttgtga agaaaatgga atttaccaca atttttctgc cccaagaaca 360
 cccaacaaa atggtgttgt ggagaggaga aatagatccc ttgaagaagg tgcaagaacc 420
 cttctaaatg aaac 434

<210> 1487
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 1487

tgtgttctcc cttgtagaac tactaactgc agtaacagtt gcggcccaac tatccggtgg 60
 tgatgactat agaatcaatg ccttcacctc atcctcaaat ttaatctgca cagattccaa 120
 ttgggcaaga atagtattaa actcattaat atgatcagtg acagagatac cttgtcccat 180
 cttgaggatg aaaacccggc gcgtcaagta tactttgttg gctgctgacg gcttctcgta 240
 cgtatctgat aatgccttca ttaagcctgc agtagtcttc tcgttcacga tgttgaacgc 300
 gaggtgcttg gctaattgctg atctgatcac gccaaagagct tgcgatcta gcaagatcca 360
 ttcttatggc ttcattgctt ctggcttaac ccttgataag ggctgataca gcttcttggt 420
 atata 425

<210> 1488
 <211> 417
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1488

tagcttcacc ataaaaaatg gtgtcatccg ctttctgttc gatgctgac gccacataat 60
tagcaccaac cagatagcct ttgaatagat tattctcctc agccctgctc ataaccaat 120
caaaccttct gcgagagata aacaagaggc gactaaggat ccccttgccg aatgcccttt 180
tgagggataa aatcagaatt cggacttcat tcccaaaaca gaaatagagg cggatatgac 240
acatcctttc atccacttaa cccagtgcgg actataacct gttctcccca gcatataaaa 300
canaatagct ccagataccg aatcatatgc cttttcaaag tcaaccttga acactangca 360
tgatcgattg cttctcttat cggcatcaat aaccctattt gctatgacta cactatg 417

<210> 1489

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1489

ntgcacgaag ttacttggtg aaactatggc acatgttttc gggtagaatt gagacttggtg 60
aatgtaatgc aatttctgta atgatattga taagtagggc ctattagagt aggaaggcca 120
ttatagcatg ttgcccagag taccagtata ttgagttatt ttctctaacc aacatgtatt 180
atgcattttg ttaggatgga cccaaagagg tccaaaagaa ggatgtttta gtggctcaaa 240
gattataaaa gataatgttt tttatttata aattatagtt ctttatttaa tttatattaa 300
aataacatga tgttgagact tggataatta ttatccattg attaaatgtc ccttagatta 360
tatatgtata ttcattctta cctattatca tttattaatg aaatatcaag tttatcttat 420
ttctgtgata gctgtatg 438

<210> 1490

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1490

agctattgtt gaataaatcg actcccatat tgatccgcac taccaatgat aataaaataa 60

tcaaatttaa ttcttcaggg tgacagcata taatgaccaa tagcaaaca tatacctgaa 120
 ttcaacaaca tgaccgcgaa ttctcagagag ctcaaaacac ttgtttttat tggttttaaa 180
 ctcttccaac agagaagaag caaaactttc atcaatgttc ccagtatctg catgccaaagg 240
 tcccatgacc ccggccaaat tcttcattcc agaagcaaaa cgcataattca gttcattgtg 300
 cctaacagga cttgcagatc caactggnga agtggataca acagagtttg ccattggact 360
 tcttgggtaa gacatccga caccatatgc aggatttcca taataaccat gaggagtggg 420
 gctgcctgat taccac 436

<210> 1491
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1491

agcttatgct gcanatattt acaatagacc tctcaacct cagcagcaaa atcaaccaca 60
 gcagagcaat tatgaccttt ccagcaacag atacaaccct ggatggagga atcaccctaa 120
 cctcagatgg tccagccctc tgcaacaaca aaaaagcct gctccttct tccaaaatgc 180
 tgctggccca agcagaccat acattctctc accaatccaa caacagcaac aaccccagaa 240
 acagccaaca gttgaggccc ctccacaacc ttcctcgaa gaacttgga ggcaaatgac 300
 tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taaccaatca 360
 gatgggacaa ttagctaccc aattgaatca acaacagtcc cagaattctg acaagct 417

<210> 1492
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1492

tgttgatattc ttcaggatga tcaacacaat attgcatttg ctgcttcaat ttgggctgc 60
 agatttcaca aataatacat ttactatgct tatttggtag gtttaaattt tcattttttt 120
 aaggaggga taatttttta ttaaaagtca ttgtattttt ttagaatttt attttatgtg 180
 aggtcaactt aagtttttta ttttacacaa atgtaattta ttttattgcc atattatcca 240

attcattaat ttgatttagc aacacactga atttctataa gtgttaatat ttagcaacat 300
 atttcttagc acatctttta tatcacacat tctattatag attaaaattt attacaaact 360
 aaaaaattaa cagagaaata actcattaaa taagaagtga gactaacaaa aattgtgatt 420
 nntaataaat tctaataat ctttaataat atatttaaatt g 461

<210> 1493
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 1493

tgaatcggac atccgtgtga aaagttatga ccatttgaat ttctcaagag cttccgtagt 60
 tcaatttcga gcttctcgac atattatgcg cccgaatcgg acatacgtgt gaaaagttat 120
 gaccatttga atatctcgag agcttccgat gatgaatttc gagcgtatcg atatattata 180
 cgctgaatc ggacatccgt gtgaaaagtt atgaccattt gaatgtctca agagcttcca 240
 ttgatcaatt tctagactct cgacatatta tgcgcccga tgggacattc gtgtgaaaag 300
 ttatgaccat gtgaatttct cgagagcttt cgttgtgcat tatgagcggg tctatatttt 360
 atacgccaca atctgacatt ccagtgaata ggtattaaca 400

<210> 1494
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1494

agcttgccgc cacggagttt ttcgactatg ctcttggtg gnggaacaag ctacaaaagg 60
 agagagcaag aatgaagag ccaatggttg atacatggac ggagatgana aagatcatga 120
 ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
 cccaaggcaa caaggggggt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
 caaatattga agaagatgag gaggtaacta tggtctgatt tcttaatggg ttgactaatg 300
 atatccgtga tattgttgag ctgcangagt ttgttgaaat ggatgatttg cttcacaag 360
 caatccaagt ggagcaacaa 380

<210> 1495
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1495

ngagaagttg catcaacaag ctgaccagat aatgcataac attatcaatg agcatagaga 60
 ggctaagtca agtgccacag gagaccagg agaggaggaa gttcttttag atgtgctctt 120
 gaagaaggag tttggcttaa gtgatgaaag tatcaaggct gtgatctggg taaggataga 180
 cattttccac caattttatt gcatgataga aaaatggaga aaagtatgct ttactgcctt 240
 cacactttag tttcaaaaac tattttgtat tttctaaaat gattagtaat cattttgtca 300
 ttcaaaattt aataggtttt gcaaattgct ttgaatataa gtgtttaaaa agaaaagaaa 360
 aatataaaca gttaaggaca tattttctca tctctttct gtaagtgcct tattcaagta 420
 tctagaaggc aaacttttaa aaattagaaa tgtgatat 458

<210> 1496
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 1496

agcttgaaat tgaacaacgg aagctctcga tttaatcgag tggtcataaa ttttcacaca 60
 gatgtccgat tcggggaaat aatatatcga gacgcacgat attgaacaac ggaagctctc 120
 gagaaatttg aatggtcatt acatttcact cggatgttcg atccggcgac ataatttatc 180
 gagacgctcg aaattgaaca accgaagctc ttgacaaatt ataatggctg taacttttca 240
 cgcgaatgtt cgaattcggg acataactca tctagacgct cgaaattgaa caacggaagc 300
 tctcgacaaa tttgaatggt cataatgttt cacacggatg tccgatctcg gaac 354

<210> 1497
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1497

agcttcgaca ccctaattgt gttcaatttc ttggagctgt tactgacaga aagcctctta 60
 tggttaattac tgagtatctg agaggagtat gtgaatgcat ataactagac acctagggtc 120
 tgatgctctg aacttatgca atcttatgct ntaagattaa actctactaa atctctatct 180
 catgcccatt tttaggggtga tcttcataag tacctcaagg acaaagggtgc acttagntcc 240
 ttcaacagcc atcaatttgg ctgggatatt gctagggtatg gtgtgtcata ccttaagttt 300
 cctttatntt tctttntaaa atttttataa agagaacaaa cagaaaacca canaacanga 360
 gaatcattaa cccatagatc tcttcaacct ctccatanat ctggtatata natataaacc 420
 actcctaaat aattctcaca cgtcagttac t 451

<210> 1498
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1498

agctngaagg ggtgtaaccc atcattctct atagtagaac agccggaacg ngctctactat 60
 cattattatc atctccctct ccatcattgg agatgctact tgagctgcta ggteccctca 120
 cctctgggca tattccttga acaactcatg ctcttctctg cacatgtttt gcaattgcac 180
 tctatctaga gccatgtccg agttgtattg atactgctg atgaaggcag ccattaagtc 240
 ttgttaagaa tggactcggg aagggtccag aatagtatac caggtgacga ctgccccaat 300
 aagagtttcc tggaagaaat gcatcaacaa tttttcattt ttcgagtatg cccccattnt 360
 ccctactgta catttcaggt gattcttggg gcatgtagtc cccttgactt atcaanatct 420
 gcaccttgaa cttcggaggg ataacgat 448

<210> 1499
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 1499

tgcgggagtt tgtgatagcg attatgacgt tgatgttgat gatagaaaag cactaccgga 60
 tttgtattgt ttatggggca atgagttatt acatggagat ctaagaagca aggcattgtg 120
 acactttcta cttgtgaagc caagaatgta gctgcaactt cttgcacatg tcatgccatt 180

tggctaataa gaatgttgga ggaacttcag ttgttgcata aggaaagcac aaagatctat 240
 gttgataata gatctgcata agagcttgcc aagaatccgg tgttccatga acgaagtaag 300
 catatagata caaggcgatc attcattaga gagtgcata ccacgacaga acgagaactg 360
 acttatgtga aaactcacga tcaagttgcg gata 394

<210> 1500
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1500

agcttgtgcc tcttcacatc tgaaatatga atgtagcata tagatccaaa gacccttagg 60
 tgttntgctg atggcttctt ccccgcccaa gttcaattg gagtcttgtc ttttacagac 120
 ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatgtc 180
 ttaggtagtc cttctcctt gagcatcgat ctagccattt ccataatttt gaaattcttt 240
 ctctcggaca ctccattntg ttgaggagaa tatgcgactg taagttgtcg ctcaatgcct 300
 tcatectcac aaaatctttc aaactcgcga gaggtgtact ctntgccgcg atcacttctt 360
 agtact 366

<210> 1501
 <211> 461
 <212> DNA
 <213> Glycine max
 <400> 1501

tgtaatcgat tacacacata ctgtaatcga ttaccagagg atgtttttat aagacattct 60
 caacagtcac atctttgtat ctggttctta agtggccatc ataggcttat atatatgtga 120
 ctagagacac gaatttgaaa aaagtctttc agaacaaaaa aggtcttctc ctcttaaaaa 180
 gcaaaatcgt tttatcctct tacaattcc ttgtccaaaa cacttgtgat tcaataagga 240
 attatttgag tgctcaaatt gttcaattta tctctttcaa gagagatgtc ttcttctctt 300
 cttcttcatt ctgaaaaggg attaagagac cgatggcttc ttgttgtgaa aggattctaa 360
 acacaaaagga aggattgtcc ttgcgtgttt agaatttgta aaaggacttt acaagataat 420

ggaactctca agcgggtgct tgtggactgg acgtacgcac a

461

<210> 1502
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1502

ntaggcaaat tcaaacgaca ataacttttt actcggatgt ctaattgagt cccgtaatat 60
atcgagacgc tcgaaattga atgttgaacc tatgagccaa ttcaaacgac aataactttt 120
tactcggatg tctgattgag tcccataata tatecgagacg ctcgaaattg aatgttgaac 180
ctctgagcca attcaaacga caataacttt ttactcggat gtccgattca gtggtgtaat 240
atatcgggac gctcgaaatt gaatgttgaa cttctgagcc aattcaaacg acaataactt 300
tttactcgga tgtatgattg agtccccgaaa tatatcgaga cgctcgaaat tgaatgttga 360
acctctgagc caattcaaac gacaataact ctttactcgg atgtccgatt cattgacgta 420
atatatcgcg acgctcgaag atgaatgtcg aacctatgag ccaattca 468

<210> 1503
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1503

atcctcagag acacctgagg catgcaagct tcaacattca aattcgagcg tctcgttata 60
ttatattatc tagtcagaca tccgagaaaa aagttattga cgtttgaatt tgctcagagc 120
ttcaacattc aatttcgagc gtgtcgtat attacgggac tatatcagac atccgagtaa 180
aaagatattg tcgtttgaat ttgctcagag cttcaacatt caatttcgag cgtgtcgata 240
tattacggga ctcaatcaga catccgagta aaatgttatt gtcgnttgaa cttgctcaga 300
gcttcaacat tcaagttcga gcgtctcgta tattatacga ctcaatcaca catccgagta 360
aaaagttatt gtcatttgaa tttgctctga gcttc 395

<210> 1504
<211> 439
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1504

accgaggatt cttagagtca cctgccgcat gcaagcttat ggtaatcang agttagttcc 60
tctctcttaa ggaaaaactc aacattattn tcattggatt tacataatga anaattgtcc 120
taatgataag gttgatcaact tcaaggctca tctagttact aatgggttca ctcacgttta 180
tggtgatagc ttttcaactg tcaccaagat gccatttgtt tgtctcttcc ttgccatgac 240
tcccatgtgt tattgggctc tatttaaact agacgttaan aatgtcttcc tacacaacga 300
acatggagag aaaatttata tggaacacct cattgttttt aggaggagtc taatttgggt 360
tataaacttc attgctctct ttatgggtta aagcagtctt cctgtgcttg gttccaaggg 420
ttagtattgg tattcaact 439

<210> 1505

<211> 300

<212> DNA

<213> Glycine max

<400> 1505

cacatactgt gatccatcac cataggattc tatcaggaaa cattctccac agtcagatcg 60
atatatctgg ctgttatgtg gccatcaaag gcttatatat atgtgactag agacacgagc 120
ttgcaataag ctatacagaa cagaataggt cttatcctgt taaaaagcga tgtcgttcta 180
ttctcttacg aattccttgc ccaaaacact tgagattcag taaggagtta tatgagcgct 240
caccattgac atggtatctc tttcaagaga gaagtcgtca tctcttcttc ttcactctga 300

<210> 1506

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1506

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ttgagactga ggataattac actgtgtgcc ttttgcagta gtgctttctt atccccatca 120
gccatcatct tttcaagttt ggcttctcca tcaagtgtt ccaccaggcc ctgctgaaca 180

agaagagctc tcattcttcaa tcgccataac ccanaatcat tntgccctgt gaatttttca 240
 acctcatact tggccgagtc catttcttga atcgaactca aaaatcgctc caccgtcacc 300
 gcaccaattt ggtgtgccaa gatcagaatt tagttcacia aagagtgagt ttcttgtagt 360
 363
 aac

<210> 1507
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1507

gcattacgga cctatgaaac tcagcttagc agcttattgc cataattcac aaacctagat 60
 tccaaataac agcaactcan agtagttatt agatagcatg gaatatattt catttttata 120
 aaaaataaat actatttaag agaaagttaa ggatacaaat ataagaggat aagatatcac 180
 ccctaacaga gcaaaacaaa tgtagttatt tgatttagta cataattaca tcaactgtaag 240
 tgatgtatat tcacttacgt tttagcagcc tgcctgccct taccaattgc agcaccgaaa 300
 tatctctaga acaattacca aatgaacaaa tcattacaaa aataccacat ggaacttcca 360
 aaaaggaata tcaattgcat gtgtaattat aaagaagtct ggaagttgct atcaaatgac 420
 aaaaagtagc tcacatagga nacaccgga ggttcaacca tgtacaactg tgggccatcc 480
 492
 ctgtcataac ct

<210> 1508
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1508

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 ataaattata tatttttatg gaattatttn tgtgaaataa atttataagt tatagattca 120
 aatgtatgtc tcttttcgta tattaaaaaa ataatatcta tctatactat tataattcan 180
 aattaatttg attattcaat atacaaattc aataagtatt ntatcaatta tttgaactat 240
 caattaagta aactaacaca tantttgaaa ttactaatat tattattttt ctattntact 300

cctannattt aaactcantt tttttatggc ctctgtatta atcctataat atagaatc 358

<210> 1509
<211> 455
<212> DNA
<213> Glycine max

<400> 1509

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accattcttc caacttcaaa acacaagtcc ctctcttctt tgtttagcata ccttgtcatt 120
tgttcctgag ctatgagcaa gacgtgagtt gagttgaatc aaagcctcat ctctttcact 180
cgactccaat gccgcagcag caaccttagt ctctattatac agaaatctca acaatgcaag 240
aggttgcctc ccatatacca cctccaacgg agtcatccca atagacacat gataggaagt 300
gttgtgccaa actcaggcca agggaccac aatgaccaag tctatggatg atcataagca 360
gagcaccgta gataactatc cagacacctg gctaccacct gcgtttgacc atctgtgtcc 420
ggatgatatg ctgaactcat tgtcagctta ttacc 455

<210> 1510
<211> 465
<212> DNA
<213> Glycine max

<400> 1510

cctgagattg agagaaaatg attattaac aaaaaatgga agtactaagt atttattacc 60
tatacttaat agaaaatact tataacacta caaaaataacc ataaattgga agagtttgat 120
acaatttaca caagttttat acacaaaagt tagtcgtatt catcgactaa caggtggaag 180
aatgcgttga ataatagcac tatagttacc ttccacaaca attatgtcac tatggatgta 240
caagttcttc ttggttaaca tctcttcaa aaatttgga tagaaggga tttgctgaag 300
tgcttctcca aaaggcaagg taatttccag tttcttgaag ataccaagaa atctagccaa 360
atgtcactct ttatcttttc atgagggtag caattgataa ggtacctcct tgcattcaat 420
aggaggagcc tctttcttct tttctatgtt agcctcactc ttacc 465

<210> 1511
<211> 460
<212> DNA

<213> Glycine max

<400> 1511

gcttaatggc tcaatgagca aggggaaatg atagtcaatc aacatgtaaa catacccttt 60
tctataggag actactatga tgacgtttta tatgatataa tcttatgga tgcagggaac 120
attttgttgg gtagaccatg gcaatttaac aagaaagaca tccacaatgg tctaccaat 180
gaaataaccc tcacccatgt aagcaaaaag ctcaaacttg ttcccttgac accttcacaa 240
gtggttgggg atcaagtaca aataaaactc aaatgggatg aggaaaataa taaaataaag 300
actagaagaa caacctttaa tggttaagga ggagtgtgag gaggtaggtg tctcctccaa 360
taggttagct aagaagaaaa gtcattctgc aataaagaca aacattaaag acactttcct 420
tcttagacaa cctccacata ttctccttg taaaggacac 460

<210> 1512

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1512

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tcttctattn tcagattgng aatgcctcta acagcacctt tgtcaatgat tntcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tcttttggag 180
gatagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gttgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttaa cattgaatcc ttcacacac agctgactga tgttgatcaa agttgcagtc 360
agtccttca ccagcagta 379

<210> 1513

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1513

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tgtcaacttn ttagaatgac aaatcaaggg atacaaatca cttttgccg tggttattga 120
 atatttatct gattttcagt gtccatgccc cctacatctc attttacaga tagtatataa 180
 cctttttttt ttctttttat cacattctgc atatgtacca tagaagatga tttcctgtgt 240
 atgatcaacg accctgcaac aatttaaaaa ccccttactg tacttgtttt taaataggag 300
 catttaatga ttgctacttt tctactaaca cacttattta aatcagtttt tacaacatga 360
 ttaattttaa ataaacttac tgcttcatat cat 393

<210> 1514
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 1514
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 atctgctggc atgaaaaaaaa atagagtacg catttacta ggaaaacttc agcatgcact 120
 gcagcattct atagacaaat ctcgtaaaaa cgtaagttat taagcttata tatctcacat 180
 tgagcattcc ttgactatat gaatgtccaa agagaaaaac atatgccaaa ggggtgtatat 240
 cattttactc acttcatggt tgccctgtgc aatgccattg caagatgcta gaaagaagta 300
 cgagttaggg tcccttgcta atgaactctg tattctggat acaggctcag caacagttct 360
 gaattccagt gttccaacac cagttgaagc tattaaagga gtaaag 406

<210> 1515
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1515

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 tcttctattn tcagattggg aatgcctcta acagcacctt tgtcaatgat tntcttcag 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac ttttttgag 180
 gatagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gntgtccttt 240
 gatctgtgc ctttcattag aacttactc ttctcatttg tcaccaagca ttctgacttt 300
 gtgaagttta cattgaatcc ttcacacac agctgactga tgctgatcaa gtttgcagtc 360

agtccttca ccagcagtac tttgttcaga ctangaangt catcatgaac tagctttcca 420
 tgccaatgat c 431

<210> 1516
 <211> 260
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1516

agctnttcaa tcaatctttg gctagctaca ttagtgcaac taccncatc aataatcaaa 60
 gagcatattt tcccatgat catgcaccta gtatgaaaag agttcttctt ttgagtttca 120
 tctctatctt ttcattgcact ccccattaac ctcttaacca tcanaagatt accttccagg 180
 gggtgtgcat cacattcact ttcactctca ctagaagaac tagaagagct agaagaagat 240
 gcactagtga tatccccatt 260

<210> 1517
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 1517

agcttctatg ttcaatatcg agcggttcaa ttaattatgt gcttgaatcg gacatccgag 60
 tgaaaagtta cgaccatctg aatttcttga gaacttctat ttttcaagct caagcgctt 120
 tatatatcat gggcctcaat cgtatatcca tctcaaaagt tatggtcgtc tgaattggac 180
 aagagctttc gtgttgaatt tcgagcgtct cgatatattg tggacctgaa tcggacatcc 240
 gagtaaatatt ttatgaccat atgaatttcc ctacaactta cagtattata taaggagcgt 300
 ctctgtatat catgggactc aatgcgacat tcatgttaaa agttat 346

<210> 1518
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1518

cccttcaagt aacgaagaat tctttttgca gcttttatat gagaagaggt aggagcctcc 60

gtanagcgac acacaactcc caccgcatat agaatatcgg gccttgtatt ggtagatac 120
 cttanactcc ccacaagact cttgaagacc gtggagtcta cttctctcc ttcacnac 180
 tttgataact tcaagccacc ttccatatgt gtgttcacgg gattgcaatc aagcatatta 240
 aatttcttca acacttctt 259

<210> 1519
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 1519
 tgcttctaca acctaaagcac acttagtgga gaatcctgga cttgatcttg gattagtggg 60
 ctaaaccata gctaaatttc actaatcata attagtgaat ttttggctcc aaatttggct 120
 ccacaaattc aaattcaagt gaaatttgaa tagaaattca aatttcctc caattttgtg 180
 tgacacttaa gctataaatg gaggccttgt gtgtgcagtt tttcaacttg atcatttgag 240
 aattacactt caaagtcat acctcatttg aggcttgaaa ttctgtgctc cttctctct 300
 tctccctcca ctcatctct cctaccttca agctcttct catggcttcc tatgggtggg 360
 agcttgttct tgactcatct tctcctttaa agtgacattt ccaatcatct ttcttacttc 420
 tccattctgc tgccattgat cttcaagaag taaaggact 459

<210> 1520
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 1520
 tacttatctt atagttagg tgctttatct gttattgggt ctattgcttg atgctttgtc 60
 tggtttaata ataccgctta tcttagtgag ttttacgggc ccaactgggc agaagcttct 120
 caagctcaag catttacttt tctagttaga gaccaacgtc ttgggggctaa tgtaggatct 180
 gctcaaggac ctacaggttt aggtaaatat ctaatgcgtt ccccgacagg agaagttatt 240
 tttgggggag aaactatgcg cttttgggat ttgcgtgctc cttggttaga acctctaagg 300
 ggtccgaatg gtttagactt gagtagactg aaaaaagata tacaatcttg gcaagaacgc 360
 cgttctgcgg aatatatgac tcatgtcctt ttatgttctt taaattcgt ggggtggcgta 420

gctacagaga ttaatgcagg caattatggt tctactagaa ga

462

<210> 1521
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1521

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aaaagggggg ttatttagag cacgttcaat ggacaatgga gatggaatag ccgtcgggtg 120
gttaggacat cctgtcttta gagataaaga ggggcatgaa cttntgtac gtcgtatgcc 180
tactttnttt gaaacatttc cggttgtttt ggtagatggg gatggaattg ttagggccga 240
tgttcctttt cgaagggcag aatctaaata tagtgtgga caagtaggtg taattggtga 300
gttctatggt ggcgagctta atggagtcag ttatagcgat cccgctactg tgaaaaatat 360
gctagacgtg ctcaattggg tgaaattttt gaataaaatc gtgctac 407

<210> 1522
<211> 399
<212> DNA
<213> Glycine max

<400> 1522

agcttggttca tatagtttca acctgaggtt ctttaaagac ttagtaaaaa tatcagccaa 60
gtgctacgag atctatcttt atgtgttttag tatgttcatg gaagactaaa ttagatgcaa 120
tgtgaagaga gcaacttgat tttcacaaat aagcttagtg tcttgagtgt ctccaaactt 180
taattggttg agaagttgcc taagccatgt aatttcgcat gcaacttctg tcatggtata 240
gtattcaact tcagcgctgg atctcgcaac tatatttttg cttttgcttc tccatgagat 300
caaattccct ccaagcagaa cacaatagcc tgaggtagaa ctctgtcca atcagcacta 360
gagtaacaaa caattttgac attgtcttcg tcttcatat 399

<210> 1523
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1523

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ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120
aggcaataga tctaaatata tggaagcca ttgaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaaccta 240
gagatagatg gtctgaagag gatagaaaac gagtacaata caacctaaaa gccaaaaaca 300
taataacatc tgccttagga atggatgaat atttcagagt ttcaaattgc aagagtgcta 360
aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgtt aaaagatcta 420
ngataaatgc actaactcat gagtatngaa tatttagaat gaatacaaa g 471

<210> 1524
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1524

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ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcattgcctc 120
ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattctct ttggaggata 180
gacatgtgga ggagtagctg gtttcttgag gtgtccatag gtagcagttg tcctttgatc 240
tgctgccctt cattagaact tcaactctct cattttgtcac caagcattct gactttgtga 300
ggtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360
ccttcaccac cagtactttg tccagactat gaagttcatc atgaactagc tttcccattc 420
caatgatctn tcctttatag ccattctcaa atgtcacat 459

<210> 1525
<211> 373
<212> DNA
<213> Glycine max

<400> 1525

agcttgtaag gcttggatct tcttcatcaa tagagtcatt tgcttcttga agatcaatgg 60

cagtagaatg gagaaggagg aacggtgatt ggagatgcca ctttgtagt catcttatac 120
 gactaacttt tgtatagaaa acttttaca aatgtatata ttttcccaa tttatggta 180
 tttttgtagg attctaaata aattttgctt tgtttttatac tgtgctcagt agaagccttg 240
 tgtatggaat taatgtcaat ttctcttcaa tttcaggcaa aaaggagtta tttgaagaa 300
 gtgctaaagt taatgtctcg ctaagcgagc tcaatgcgct tagcgagtgt catcctctaa 360
 ccaagtcatac aat 373

<210> 1526
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1526

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 atatatcgag acgctccaaa ttgaaaacgg aagctcgtaa gaaattcaaa cgacaataac 120
 tttttactcc gatgtccgat tgaatcggtt aatatatcga gacgctcaaa attgagacta 180
 gaagctctga gcaaattgaa atgacaataa ctttatacac ggatgttcgg ttgagtcccg 240
 taatatatcg agacgctcca aattganaac ggaaactctt agaaaattca aacgacaata 300
 actttttact cggatgcccc acatagtgtc ataatttatac aagagatgct ccatattgaa 360
 tacggaagct cgtatcanat tcaaaccgac aataactctt gactcggtatg tatgattg 418

<210> 1527
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1527

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 gagaaggagg aaaggtgatt ggagatgcca cttcaaggag aagatgagtc gagaacaagt 120
 ttatcaccat atgaagccat agataagagc ttgaagattg gagaaggtga gtggacggag 180
 atggagagaa ggggcaaaac atttatgcca aatgaggtct gaactttgaa gtgtaatttc 240
 tcaaattgatc aaagttgaaa aaatacacac ataaggcctc tatttataac ctaagtatca 300

cacaaaattg gagggcaatt tgactttcta ttcaaantc acttgaattt gtggaacca 360
aattggagcc aaaatttcac taattatgat tagt 394

<210> 1528
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1528

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aactgcttca tatgctaatt taactaggaa tgtggtggtt agattcataa aaaatgagat 120
aatttgata tatgggttgc ccagcaaat catcgctaac aatgccatca acctaaataa 180
cacgatgatg aaggagtgtg gtgaggattt taagattcaa caccataatt cgacacctta 240
ccaaccaag attatcaatg tagttgaggc caccaataag aatatcaaga agatcattca 300
aaagatgata gtgatgtaca aggactatca taagatgttg tcgttctcat tgcattgnta 360
tcaaacttct gtgtgcactt ttactggggc aaaccaatt tcgttggtgt atgggatgga 420
agctctccac cctttc 436

<210> 1529
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1529

agcttattcg aagcccttg aattgattgt ctgttcacgc atcctcaacc attgagttcg 60
gagcccatg aattgattgc ctacgctgt tcgtgcaccc tccatcatca aatcttattc 120
ggaacctgat gagttgattg ccattcatgc atcctccacc attgagtcgc gagccttacg 180
aattgactgc caagctctgt ttataaatca tctatcatca aatcttattc gaagcccat 240
gaattgattg ccattcatgc atcctccacc attgagtcgc gagcgccccg aattgactgc 300
ctacgctgt tcgtgcaccc tccagcatct tattcgagc ccaggaatt gattgtcgtt 360
tatgcatcct acaccattga gtccagagcc nncacaattg attgcctagc tatattcgtg 420
catccacat catcaatct ta 442

<210> 1530
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 1530

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agcttgcaca caagattctc cttggctggc acttcaaaac cttctggttg ggtcttatag 60
atgtcttcct ctaaaacccc atgcaagaat gcagttttaa catctagctg ctccaagtaa 120
agattctctg cagcaacaat actcaaaata actctgatgg tagtcatctt tacaactgga 180
aaggagtctc tgtgatatca attccctggt tctactgaaa ccttttcacc acaagtctcg 240
ccttgtatct tcttctaccg tcagattctt cctttagcct acagaccac ctattttgta 300
acgctttctt tccttctggc aatttagtta aagaccacgt cttattcttc tgaagggatg 360
tcattctatc tttcatcgct agcttccact caatagtgtc attccctgc atagcctcac 420
tgaaacattc tggetcacca acatc 445

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<210> 1531
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1531

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tccagatata gcatacatag ttaggggtatt atgcagatat ttaagcaatc caagaatgga 60
tcattggaag gaaacaaaa gagttatgag gtatttgaag agaacaaagt attatatgct 120
cacatacaaa aggtcaggtc agttggagat cactgggtat tctgacttag attntgcaga 180
atacctagat agtttgagat ccacttcagg ttacatcttc atgttagtcg gtggtgcggt 240
ttcttggcgc agtgccaggc aaacccttac tacttcatcc actatggcga caaaatatgt 300
ggcatgctat gaggcacaa atcatggaat atgattgaga aattttgtca caggttntca 360
aattgtggaa tgaattgaaa gaccacttaa gttatattgc gacaat 406

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<210> 1532
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 1532

agcttggttg tgagagcaat gtcaagaatg tcaccaactt cagccctaata agttgggcct 60
 ggaaactgac cgttgattcc catcagaacg tgttccaagc aatctgggtt tctgatcatg 120
 tactccacat caaacttgta gggctctact attcctccga ttgacaattc taccaaacc 180
 aaccatatta tgcacccaac aaaaagagct ttcaagctca ttcttaatta attttgatca 240
 gagaaagcct aattagcaat ataacaggaa ggtatcaagt agtaaaacga agctattgat 300
 gaacaaattg aaagaatatg tatagaggat cgaggatttg gattgggtgt accattgcct 360
 tatatatata agagagagag aga 383

<210> 1533
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1533

agcttgcttc ttttggtgca tagaatgcat gcaaaaaaaaa aatagtaagt gtcatgaatc 60
 tctgacataa gcttcaacca attaacattg tttgtatgac aactggtgta gttggacagc 120
 aatcacacag tttgtccacc atggtatgct ttatgttctt attgggtata gttttagtat 180
 gctttatggt cctattgggt atagctttgg tgctggaatg ttcaatttgg agtccacaaa 240
 aggaggaact ccatatgggt ttggagtntt tgctggagat ggtacaagac aagcaagtga 300
 aatggagctg gagcttgac agtatcatgg caagtatata tgaaa 345

<210> 1534
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 1534

gctcgaagac aagactatac gaggtatctt ccttgggtat aacaatatct ctaagggcta 60
 ccgtgtctac aacttgcaaa ctaagaaact cgatcatcagt cgagatgttg aagttgatga 120
 gtatgcttct tggaattggg atgaagaaaa agtgaagaag aacgttctta taccgctca 180
 actacctcaa gaagaagctg aggaagaaga cccaggtgaa ccacctcac ctgcaccata 240
 acaacaagat caaaaactat catcaccaga gtctactcca agactagtaa gatctttggt 300

ggacatatat gagatcagta acttggccat acttgaactt ggaagctttg aagaagcgtc 360
gaagcatgaa gtatgggtca cggcaatgga agaagagata cagatgatcg atacaacaac 420
424
acat

<210> 1535
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1535

tcaatagcat agcctcgtaa gaggacatcc aaagntgtca tattgagatg attctctctg 60
tgaagtttgt cagaaaggga aacaagtaaa aagttctttt aaagaaaata aatgttat 120
ccacttcgag gccattaaag cttctacacc ttgacttgct tgaaccaacc aggattgcat 180
cccttttttg atgcaaataat ggtctgggtca taatggaata ttactactaga tggacttggg 240
ttaggttctt aaccacaaag aatgagtcct ttgatacctt ntataaatnt tgtaaaaaga 300
ttcaaaataa aaaaggcatt ngatatctctn taatcataag tgatcacagg gaagagtttg 360
aaaatgatat ntttgaatga aaagaatggg attcaccata tttttccac tganagaata 420
439
ccaaactaga atggagtta

<210> 1536
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1536

taacagactc aggaatgtca naggttgatg caatntcacc tctcagttac caaagccaga 60
cgctcaatac catcaaaatc agcatgttca atagccaata tccccgcac agctaagagc 120
tcctctggaa aattgcaa atcaactgtctg ttaacaaaac agctgatacc atgacctatt 180
atcttctgca ctttttctct cattatctct ttctctgctg tttcaatttg agcaactcta 240
gccatagaat caacacgaac acgtgcacca tatatcttca ctttgtctgt gtccatggca 300
331
atgtttgcca ccagtatctt tgcattctct a

<210> 1537

<211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1537

agctntgagc aaattcaaac gacattaact ttttactcgg atgtctgatt cagtcccgta 60
 atatatcgag acgcttgaat ttgaatgccg aagctctgag caaattcaaa cgacaataac 120
 tttttagtcg gatgtctgat cgagctccgt actatatcga gacgctcgaa atggaatacc 180
 gaagctctga gcaaattcaa acgacaataa ccttttactc ggatgtctga ttgagaccg 240
 taatatatcg agacgctcga aatggaattc tgaagctctg agcaaattca aacgacaata 300
 acatttacct cagatgtttg attgagctct gaatatat 338

<210> 1538
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1538

ctgtgtatca ttatgggttt agagggccac aaaaagccac caatgaagga agaaatagat 60
 actttgattc gaagcatatt tatttattga agataatccg gacaaaacct ttgcactttt 120
 cctcaccttt ttaaattaat tactattaga attactatct tttattatct aatattatac 180
 gagattacga gcttataatt actattggct caaactattg tcaagttatt tttttaatcc 240
 acatttgata ttatcttata tatatggntc aactcttaaa aaanaaattg tgtgtactca 300
 actcttgcat atagagattt agtatttcac agggaacaan aattctatat taatatagaa 360
 atatataaca gaaataaaat atccaaatgt ataaagtagc aatttaatca aatattatca 420
 tttcacaag at 432

<210> 1539
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1539

agctntagct ttgtcccaa ggcttcattg atactgggtcc aaaatcgga agtgaacctc 60

ggatccctgt cagatacaat actagaagga attccatgca accttattac ttccttgatg 120
 tacaactcca ctagcttctc cattctatac ttcataattca ctgggataaa atgagcagat 180
 ttggtgagtc gatctactat aaccacaca gcatcatgtc cacgactagt cttgggttaa 240
 ctagatacaa aatccataga tatgctctcc catttccatt ctgga 285

<210> 1540
 <211> 220
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1540

actaagcttt aaataagggc ccaaactg aanagtcgtc catgaatata tcttaataca 60
 tttctccacc atgtctgaca aaatggccag catgcacctc tgaaatgcgg ctggtgcatt 120
 acataacca aatggcatct gtctatagga aaagacacca aaagggcatg taaaggccat 180
 cttctcccga tccttggggg ccaccgagat ctggttataa 220

<210> 1541
 <211> 471
 <212> DNA
 <213> Glycine max
 <400> 1541

tggaatgaa caacggaagc tctcgagaaa aaaaaatggg tataacttat cactcggacg 60
 tccgattcag gcgcataaaa tatcgagacg ctcgaaattg aacaacgaat gctcttgaga 120
 aattcaaatg gtcataactt gtcacacgga agtccgattc aggcgcataa tatatcgaga 180
 agctcgaaat tgaacaacgg aagctcttga gaaactcaaa tggtcataac ttgtcacacg 240
 gaagtccgat tcaggcgcac aatatattga gatgctcgaa attgaacaac aaatgctctc 300
 gagaaattca aatggtcata acttgtcaca cggaagtccg attcaggcgc ataacatata 360
 gagacgctcg aatatgaaca accaaagctc tcgagaaatt caaatgggtca taacttatca 420
 cacggacgtc cgattcaggc gcataatata tcgagacgct cgaaattgaa c 471

<210> 1542
 <211> 384
 <212> DNA

<213> Glycine max

<400> 1542

agcttctcga tatattatgc gcctcaatcg taccttcgtg tgttaagtta tgaccatttg 60
agttctggcg tgcttccggt tttcaatttc aagcttctcg atatattatg cgctgaatc 120
ggacttccgt ttgaaaagtt aggaccattt gaatttctag agagcatttg ttgttcaatt 180
tcgagcgtgt cgatgtatta tgcgcctgaa tcggacttcc gtgtgacacg ttatgaccat 240
atgaatttct agagagcttt cgctgttcaa tttcgagcat ctagatatat tatacgctcg 300
aatcggactt ccgtgtgacg agttataacc atttgaatct ctcgagagca tccgtgtttc 360
atttcaacct tcttgatata ttat 384

<210> 1543

<211> 385

<212> DNA

<213> Glycine max

<400> 1543

aaattggtcc aaaacaaaac gtgagcccca tagacagcat ccaatagatg tcataccttt 60
tctgttacat atcgtggtag tgcaattgat gccagattgc acacagcagt ctcagttgga 120
cttgaatatt caattatctc agtacacaaa gctgacgatt taattggacc caaattctgg 180
tgattgcttt tcctattgca agtatgctag tagttgtaac aaaaatgctg gaattactca 240
tcgggtgaga acaataaata caaaatctca tgaggaaagt caaagacatc taagaacacc 300
accttataaa gcatgtacgg gggtgccggt tctatctgtg acttcagaat ttcgaaccag 360
aggctctgtg cctggacaac ctcca 385

<210> 1544

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1544

ctaagctatg caccctntn ttcaatatta atcaacctga aatcacacac aatcacaagc 60
aatcaactac actcaatgca aagaaaacaa aattaaat aatgactgg gtttctccc 120
agcaagcact tgtttaacgt cattagcttg acgcatecgt ctgttatcct agatcaatct 180

tggttctctc tttcagaacc ttctcatcca actccttcac ctgtaagcac acatcctggt 240
 ccagcagttc tcttccttca ttaaatagat caaagctgat ttggttggtt tcaagactca 300
 tttetaactt tttcttcctt atgtccacca cacagcttgc aatagacata aatggacgtt 360
 ccataatgac aggaatattt gcatcttctt caatgttcat tacaataaaa tcagtaggaa 420
 aaataagatg ttntactoga accanaacgt cttcaatcac tccat 465

<210> 1545
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1545

agcttgctaa cccatggaag ctctaataat ctcccacact tttttagggtg ggccattctt 60
 ggatggcctt gattttctca ggggtccactt ggacccatt tctaccaact acaaacccta 120
 agaaaaactat attatctaca caaaaagtag acttctctat atttgcatag aggggtgtttt 180
 tcctaaggac tgaaagaact tgcttgagat gtctaagtgt atcatctagg ctctactgt 240
 atactaaaat atcatcaaaa taaacaacta caaatatacc tatgaaatcc cttagacat 300
 gatgcataag cctcataaag gtgcttggtg cattagttag cccaaaaggc atcactagcc 360
 attcatacaa accaaacttg gtcttgaaag cggttntcca ctcatcacc tttttcatct 420
 tgatgtggtg ataccactt t 441

<210> 1546
 <211> 292
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1546

tctatagaaa ggtcattcct aatttctcta caattgcac acctctcaat gagctagtga 60
 agaagaatgt ggcatttacc tggggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgttttggt gcaaggtggg caccctattg 240
 cttatttttag tgaanaactt catggtgccca cccttaacta cccacctat ga 292

<210> 1547
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1547

tcaattataa gaacttgagg agatatgctt agaagcctat gagaactcca agatttacia 60
 ggagaaactg aagaggtttc atgactctaa gattcttaag aaggagatcc atattggcca 120
 aaaagtgatc ttgtataact ctgcttcaa gcttaatttt ggtaaacttc gatctatatg 180
 ggatggacct ttttttatta ctaatgttnt ccccatggca caattgagat taaaaatgaa 240
 gttattagca aagtcttcaa agtgaacggc caccaactca agctttttca tgagagcccc 300
 aagtgggtga gcagtttgtg gcggacctct ctttgatctt gccaaactta tgtgatgatg 360
 tcccttgaat ggaactngan gagtttccat ccccttcttt tgtatgttgt cacttttgtt 420
 gcctttcatt gcattgtcac attgagaaca at 452

<210> 1548
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1548

ntgatgatgt tgagaagaaa tcacatgttt gtcacatca ttaagggaga gaatgtgaat 60
 gtatgtacac atgattttga tgatgtcaaa agaagaatca aacaaggctc atttgcacat 120
 agattaatac aagattgttt caacaaacaa agccttgatt caagatttct tcaagatcaa 180
 gccttgcttc aaaatgaaag atttcaagtc atccaaggca catgtaatcg attaccaaga 240
 cacatgtagt cgattaccaa tggtttgaaa gtgtgtaatc gattacacat catatgtaat 300
 cgattaccag agactttgaa cgttgggaat tcaaataa aatgaagagt cacaattgtt 360
 caagaaaaat aactgtgtaa tcgattacac taatgttgta atcaattacc agagagggat 420
 ttcaaggaat atcgccaaca atcacatctt atcat 455

<210> 1549
 <211> 450

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1549

agctntaaac ttcattgcat ccagccactt tctcttttct tcattatcca tggcctctct 60
aatcactca ggttctccat catctgtag gatcacatac tcattaggag aatacctctt 120
agaagggtgt ctctccctgt tggactttct gagttgaact tgaggtgggt cggtggcatc 180
accaagattt tcattctgtg acatgtcatg ctctcttca tcatcatcat caacatgaac 240
atctacctca tctccagggt gttggacact aacatcattc ttaactttag tattcagatt 300
ctgaatagge gattgaactg gttgaaaatc agccacacca ttgtcttctt tgggtgtaaa 360
cttatccacc ttatcaatgt ctccaatggt ttggtcttcc atgaatttca catcatggct 420
tctaacaagc ttcttctcaa taggatcata 450

<210> 1550
<211> 362
<212> DNA
<213> Glycine max

<400> 1550
atgagccaat tcaaacgaca ataacttttt actcgatat ctgattgagt cccgtaatat 60
atcgagaccc tcgaaattga atgttgaagc tcttagcaaa ttcaaacgtc aataagtatt 120
tactcgatg tctgattgtg tcccgtcata tatcgagaca ctcgaaattg aatgttgaag 180
ctctgagcca attcagacga caataacttt ttactcgat gtctgattga gtcccgtaat 240
atatcgagac actcgaaatt gaatgttgaa cctctgagcc aattgaaacg acaataactt 300
tttactccga tgtctgattg agtcccgta tatattgaga cgctcgaaat tgaatgttga 360
gc 362

<210> 1551
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1551

agcttanaca ttcaatttct aggtctctga tatattacgg gacttaatca agcatccaag 60

aaaaaattta ttgtcgtttg aatttgctca gagattcaac attcaatttc gagcgtctcg 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180
 cgagcttcaa cattcaattt cgagcgtctc gatatgttac gagactcaat cagacatccg 240
 agtaaaaagc tattgtcggt tgaatttgct cagagattca acattgaatt tcgaggggtc 300
 cgatatctta cgggactcaa tcagacatcc gagtgaatag ttattgtcgt ttgaattggc 360
 tcagagcttc aacattcaag ttcgaggggc tcgatattt acgggactca at 412

<210> 1552
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 1552
 tgagattgaa caacagaagc tctcgatata ttcaaattgg cataacttgt cacacgaagt 60
 ccgattcagg cgcataatat atcgagaagc ttgaaattga acaacagaag ctctcgagaa 120
 attcaaattg tcataacttg tcacacggaa gtccgattca ggccgataat atatcgagac 180
 gctcgaaatt gaacaacgga tgcactcaag aaattcaaatt ggtcataact tatcacacgg 240
 aagttcgatt cagacgcata atatatcgag aagctcgaaa ttgaacaacg gaagctgtcg 300
 ataaattcaa atggtcataa cttatcacac ggaagtccga ttcaggtgca taatatatcg 360
 agaagcttgg aattgaacaa cggaagccgt cgagaaattc aaatgggtcat aacttatgac 420
 acagatgtc 429

<210> 1553
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 1553
 agcttgaaat tgaacaactt aagctctcga tatactcaaa tggtcataac ttatcacacg 60
 aacgtccgat tcacgcgcgt aatatatcga gacactccaa attgaacaac gtagggctctt 120
 gagaaattca aatgttcata acttgtcaca cgaaagttca attcagggcac ataatacatc 180
 gagaagctca aaattgagca acgaatgtc tcgtgaaatt cacatgggtca taacttgtca 240
 cacggaagtc tgattcatgc gcataatata tcgagacgct cgaaattgaa caaccaaaagc 300

tctcgagata ttcaaattgt cataacgtgt tacacggaag tccgattctg ggccataata 360
 tatcgagaag ctgaaattga caacgacgct ctctag 396

<210> 1554
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1554

agcttagcag ncacttggtg tcttccatcg ttatctgat caccgtgaaa gtctcaaca 60
 accactctgt catgcacctt atacagagca tctgagccg gagacacata attgctcca 120
 cctcaacag cattagtctc atcactgaga ccataaatag taacaacgcg ctcttcgcac 180
 cccggcacag tctaccaat cctaatttta gccttagtct ccacctcag ttgcttaaca 240
 atctcacctc cctaccaat aacactgcc aatcttcgac ccgggcacac ataacgatac 300
 acggtatcct ccgaatcaat cacaaactgc tctctatcat caccatgatt cctcctttta 360
 attggcccat tatcatg 377

<210> 1555
 <211> 378
 <212> DNA
 <213> Glycine max
 <400> 1555

agctttggcc aaaccccagc agcagttggt tcttagaga cttgccttag caccttgtct 60
 ttgagactga ggataattac actgtgtgcc ttttgagta gtgctttctt atccccatca 120
 gccatcatct tttcaagttt ggcttctcca tcaagtgtt ccaccaggcc ctgctgaaca 180
 agaagagctc tcattctcaa tcgccataac ccaaatcat tttgcctgt gaatttttca 240
 acctcactact tggccgagtc cttttcttga atcgaactca aaaatcgctc cacgctcacc 300
 gcaccaatct gttgtgcaa gatcagatt tagttcacaa aagaatgagt ttcttgatg 360
 aacaagaata agcaaat 378

<210> 1556
 <211> 449
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1556

tgcacacaag caagtcccat ttgattaaga tcagtaccaa atattgcaga tttcttctcc 60
ccagtagcac gaagcttcga cacagcattc ttgaaagtat tgtaagattc agtgtagtcc 120
tccaacacgt agtacatgac tcccatctga gtttcaatac cagctattgt gttttgctga 180
ccagaggctt cattaagtat ctctagtgcc ttgtgaagta acttaagtgc ctgttctagc 240
tcattcattg actcataaat ggctgagaca ttcataaaac cactagcaac ctctcttgga 300
gggacccag gcatgggatt ctcatagatn ntaagtgcac tctcacaata tgattttgat 360
tcccttatct tccatgtcct gcaatacaag tcagcaaggc gtacaaagac tgatcccaca 420
gaaggatgat tctcaccttt gtgagtcct 449

<210> 1557

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1557

agcttttgcc tcanaacgca ttgtttccaa catccaaggc tctggtaatc gattaccaga 60
agagaatddd gaagcaaagg gtttaaaaag ggttttgaat ttgaatddd agtcatgtaa 120
tcgattacta gatgtttata atcgattacc agtaatgaca ctttagaaaa cactttggaa 180
agacatgacc cttcaaaaata taattgtgta attgattacc agaaatctgt aatcgattac 240
cagtgaataa ttttagaaaa atctttttga aaagacacat ctcttcaaac cattttgaaa 300
aggcacgaag ggcctatata tatgtgtgtc tgacttagaa aagcaagaga gagatattct 360
aagagaacat aattgccaaa ttctctctca acaactctg ggcaaacact tganaatcta 420
ttgataattc at 432

<210> 1558

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1558

agcttacagc tttgtcgagc tattctgcta ttgcacagat atgtatatct atatccaaac 60
 gcgatatata ggaacatgaa atacaactta gcaggattaa ctttaagtata ataacatggt 120
 cttttacttt tatataatta gaaattatct tgtacatcga ttaataatta cttataaata 180
 cagataaaat ataccaaaat atagatttga aaagcatttt aagaaaatac tagcttattt 240
 actaaacata tgtgagaaga tccataatta catgagaaga gtatttntca ctctcaagaa 300
 catgaagaga cggacttatt aaatagataa acaagtttta atatatctat gttg 354

<210> 1559
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1559

gactcttcgg ctggccgatt gctgaatcat aatcagctgc cggaataagt aggcaccacc 60
 attcaatacc attatagaga atcaaataat atatatatca tcagaataaa attaaatatt 120
 ttttattgat aggaattgta tatgagtatt aagaaattta taagacttcc gcaccatact 180
 taactaagtt ataagaaaac ctattggatg cttttttttt ggtgatagga aatctgatgt 240
 tgaagtttag atgaaaaaaaa gtaaaacttt ctcatattat cggctaggaa atttaatggt 300
 tttaattgta ataatgacg acatacaaga acataaataa taaaaaacat tgcaaaaatt 360
 atatcatagc ctgagataat taaatntggt gagataacta atanaacata gattattcca 420
 aaatacacac attgctaaga atattatatg ctaatagaaa a 461

<210> 1560
 <211> 345
 <212> DNA
 <213> Glycine max
 <400> 1560

agctttcgtt ttcaattacg agcgactcga tatectacgg gactcaatcg gacatccgag 60
 tgaaaagtta ttgtcgtttg aatttactca gagcttccgt tttaaattac gagcgtctcg 120
 atattctacg ggacacaatc ggacattcga gtcaaaagtt attgtcgttt gaatttgctt 180
 agagcttttag ttctcatttt cgagcgtctt gatataattac agggctcgat cagacatccg 240

agttaaaagc tattgctggt agagttttct cagagcattt ggtttgaatt acgagcgctt 300
cgatatccta cgggacacaa tcggacatcc gagataaatg tattg 345

<210> 1561
<211> 394
<212> DNA
<213> Glycine max

<400> 1561
tggatttctt gttgtatgga atctttcctt cctaagatgg agccaaacct agtccccctc 60
attaagaact agctcatttc ttctcttatt gcccttaatt gaatacacct ttgtttgggt 120
ctctatttgg gtcttaacct tctcatgcaa cttctttaca aactctgacc tagattcccc 180
ttctttatgt ataaaagaag tgtcaagtgg gaggggaatg atgtctaagg gtgttaaggg 240
attgaacca tagacaacct caaaagggga ttgcttggtg gttctatgaa cccctctatt 300
gaggcaaatt ctacatgagg aagatactca tccaagact tatgggtgcc ttttagaaga 360
gcccttataa gagtggatga agacctattc acta 394

<210> 1562
<211> 352
<212> DNA
<213> Glycine max

<400> 1562
agctttgaga taattcaaac gacattaaat tttttcttgg atctccgatt gtgtcctgca 60
gtatatcgac atgcttgaaa ttaaagcag acgctatgag caaaatcaaa cgacaataat 120
ttttaattcg gatgtccgat tgagtcgtgt aatatatcga gacgctcgaa actgaaaaca 180
gaagctctgt gcaaattcaa acgacaataa ctttttactc ggatgttcga ttgtgtcccg 240
tggtatatcg agacgctcgt aactgagaac atatgctcgt agcaaattca aatgacacat 300
aactttaact cagatgccga ttgattcccg taatatatcg agacactcaa aa 352

<210> 1563
<211> 222
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1563

agcttgctaa cccatggaag ctccctaatat ctcccacact ntntgggggtg ggccattctt 60
 ggatggcett gattttctca gggtcactt ggacccatt tttccaact acaaaaccta 120
 agaagactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
 tgttggatcg agtggcctca aaataattaa gaaggggggg gg 222

<210> 1564
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1564

tatcttcctt gtgataacaa tatctctaag ggctaccggg tctacaactc gctaactaag 60
 aaactcgtca tcagtcgaga tgttgaagtt gatgagtatg cttcttgga ttgggatgaa 120
 gaacaagtga agaagaacgt tcttataccc gctcaactac ctcaagaaga agctgatgaa 180
 gaagacccan gtgaaccacc ttcaccttca ccataacaac aagatcaaaa actatcatca 240
 ccagagtcta ctccaagaca agtaagatct ttggtggaca tatatgaaat cagtaacttg 300
 gccatacttg aactttggaa gcttgaagaa gcgtcaaagc aggaagtatg ggtcaaggca 360
 atggaagaag agatacagat gatcgaaaaa aacaacacat gggagttagt aaatcgtccc 420
 catgggaaag atgtca 436

<210> 1565
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1565

actcagctta acatcagacc acttgcaggt gctggaacta cttcacatgg acttgatgg 60
 gcctatgcaa gttgaaagcc ttggaggaga gaggtatgcc tatgttggtg tggatgattt 120
 ctccagatgt acctgagtca actttatcag agagacatca gacacctttg aagtattcta 180
 agagttgagt ctaagacttc aaagagagaa agactgtgtc agcaagagaa tcangagtga 240
 ccatggcaga gagttcgaat acggcaagtt tactgaattc tgcacatctg aaggcatcac 300
 tcatgagttc tctgcagcca tcacaccaca acaaaatggc atagttgata ggaaaaaca 359

<210> 1566
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1566

cctatcagac tcagcttaca catcgatccc tcaactgtag ccttattctt gactatattc 60
 ttgaaggagt gtaaaaacct aacattaata tgaataagta tttctttaaa aatgactata 120
 tatataatac aatgggtgat aaatgattac tcatttatac ctctcgaaag gatacatcca 180
 atgatattgg actggaccac caagtcttgc ctcataaggt aaatgaactg gaaaatgctc 240
 cattgaatca aagaagcttg gtgggaaata ttgttctaac ttacacaaca acacaggtat 300
 gttattntcc ataactctta gttgttcaac atttaatggt gtcgaagtta gttctttgaa 360
 aaattggcta agttcaacaa gtgacttcca aatagggttt ggtaatgagt caaatgcaat 420
 nggaaagcaa ccgtgcatga aaacatgaca ataatgactn ttcattccat tgaagtttcc 480
 cttg 484

<210> 1567
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1567

ttgtataaac tcacatgtcg tatcacttct gattttatct tattagaata aattccattn 60
 tgtattatat atacgtnttt ctctgaaatt ttaaaagaat aatagtggtt gtacattggt 120
 agcgataaaa taatgccgat aacaatcata acaaaatgta aaatatacta ctttaaagtc 180
 ttacaaaaat aaatgagcaa caaaaacctt atcaactaat taacaatatt aaggacatat 240
 ttttttaaaa tattaacaag cttattaata atgtagaat aagcttcatg ataatcaag 300
 attgattcaa gggagtttga tgataacaaa gatgatgaca aacaactcan aagtcaagat 360
 cacttcatga taacaaagat gatgacattc aagattaagt tcaagaatga gtcaagaaca 420

<210> 1568
 <211> 400

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1568

agctctggta ccgcttggtta aacaagtggc ctcaattatc ttaagaaagg gggttgaatt 60
aaaatacaaa aactatcccc ttaattaaaa atttaacttt tttatattaa aaatgcaacc 120
cttattatga gttactctaa gaacaattca aaacaaactt ctttaaagcg aaatataaac 180
aataataaat aaaagaagtt taagggaaga gagaatacaa actcaatttt tatactgggt 240
cagtcacgcc ctatgcctac gtccagtccc caagcaacat gcttgagatt tccactatct 300
tgtataaagc cttttacaaa gtgtgaacca cacagtagca acccttcctt tgtgtcaa 360
aaccttaca ctttaagagaa cctnggcctt taaacagatc 400

<210> 1569
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1569

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tctttaaaag cttgaaatca acgtagtaaa taaaatttac ctgaggaatg caaagacttg 120
caatagtgag accagatatt aaatctctc taaattatct aaggttgtaa cttcttcccc 180
aactaagtat tgggaatatg gcttcaatac cgagcctgat cttccttgat ctanngtgat 240
ctttgaaggg tcttacagga tcatcacaaa agaacgtttc ttttatagtg tcttggaatt 300
cctcgaagag gttctgtctc ggaggaattg ccatttgtgg gcttgtggtg cctgaccaa 360
tgaagaagat ggcatacttc tg 382

<210> 1570
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1570

cagcttaaga ataatggcct caacaaactt cttattccca aaaggatatt caataaatag 60

gcctcctatg tttaatggag aggggtacca ctactggaaa acccgaatgc aaattttcat 120
 tgaggcaata gacttaaaca tttgggaagc catagaagtt ggaccttatg taccaccat 180
 ggtggctgga aatacaacaa tagagaaacc tagagaagag tggtttgaag atgaaagaat 240
 attagtgcag tacaatttaa aggetaaaaa catcattact tctgccttag gaatggatga 300
 aatatttang gtctgaaatt gtaagagtgc caaggatatg tgggatactc tacaagttac 360
 acatgatgga acaattgatg ttaaacgac tangataaat actntaactc atgagtatga 420
 424
 atta

<210> 1571
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1571

cagctttgga atgcagatta gctctattgg ctctctgggt gcattctttg aaccttngat 60
 gtattatctg atatgttacc gaagatatcc ttggttacta acttactctc cctttatacc 120
 tcaattnttt atgtgtgcac gtgagctgat gagcatgcca atgactgatt actattgttt 180
 gaattttact tgattgagat ataggagggt aagatgtcga ccccggaag gaagagactg 240
 atgagggatt taaaagaat gcaacaagat cctctgctg gcatcagtgg ggctcccaa 300
 gacaataata ttatgctttg gaatgtgct atctttgggt gtgtaggagt atataaatca 360
 362
 tg

<210> 1572
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 1572

tatatatatt ataaataaac atctatcaat caatgtctac aaagtacata tattaatgtc 60
 tgaaatcgat cacaagact aaaattatga atttataaa ataggagac acaatgtctt 120
 aattaaaaat gagagactaa aattataaat ctttttaaag tggaagatga aatatctcaa 180
 ttaaaaagt agagaactaa aatcatatat ttgaaaaaat aggggaacaa aaagtatatt 240
 ctagtcta atctcttctg tatgaatttg gatttgaaat tgtgtataag tgaatataga 300

tttgggttaa tcactttagt gcttgaattt ggatctgggt tagacaatat gtctacgacc 360
 atttaattaa acaagttagc aagtaatttt ggatc 395

<210> 1573
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 1573

ctgagaatgc gaatttagct ctattgtctc tctgggtgcat ttcttgaacc tttgatgtat 60
 tatctgatat ggtatcgaag attttcttga ttactaactt actctccctt tatatctcaa 120
 ttctttatgc gtgcacgtga gctgatgaac atgccaatga ctgattacta ttgtttgaat 180
 attacttgat tgagatatag gaggtgaaga tgtcgacccc ggtaaagaag agactgatga 240
 gggatcttac aagatagcaa caagatcctc ctgctggcat cagtggagct cccagaaca 300
 atgatattat gcttcggaat gctgttatct atgggtgtgt aggagtatat aaatcatg 358

<210> 1574
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1574

agctttcgtt ntcaattacg agcgactcga taccctacgg gactcattcg gacatctgag 60
 tgaaaagtta tcgtcgtttg aatttactca gagcttccgt tttaaattac cagcgtcttg 120
 atatactacg ggacacaatc ggacatccga gtcaaaagta attgtcgttc gaatctgctc 180
 atagctctcc tcccatttac gagcgcttg atatattaca gggctcgatc ggacatccga 240
 gctaaaagtt attgtcgtta gacttatctc agacgtgcg ttoccaaattt cgagcgtctc 300
 gatat 305

<210> 1575
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1575

cttctccttc tacggagaaa ccaagaagct ntacaagaat acagtgtga agtatggcaa 60
 ttagtgccac tctcatttg aactcatcta aaccttgcc agacttctt gaaagcctt 120
 tcacagctaa cgctttccca tctataagtg tgcctgaaa gttatcttct gccatagtta 180
 gaaagattnt aaggaaaaca gaagtttggtg aagtttctt agtcaccttg tataccggcc 240
 cacatccacc ttcttcgagc ttatatttg ttgagaagtt tttagtcaca ttagctaaga 300
 ctgttggtgaa gtcaatgtct tctgttcg 328

<210> 1576
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 1576
 agcttggtgct cgaggccttg acctcataat tgtttcatca ctgtgttga tccattctga 60
 gagtttccag ggcttctgcc acttccattt aaactgtagc agccattgat gatgacttct 120
 ctccacttc caaagtattc cggttctgct tatagctgct agcctcttcg ttgacaactc 180
 tccaatgggt atcatctgga tataaaccca ttaaaactta ttgagaaata aacactatca 240
 tcatcatcat cagggaaata gaatctagca aacatacctt tcgtgcttca tctaaaaatg 300
 tagctgactc cctgcctgac caattaacaa ctccaggagt gaatttgagt tgctttgggtg 360
 cacgaagcga cattggagat aacggaccac tcattctcgc cg 402

<210> 1577
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1577

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 ccaaactctt caacttctcg tcttcccag ctgcctccat aagtttcaca aaatctatca 120
 aactcaaaaa cacatcacca tcagaatcca actcctcaat caactgttca gcattcttgg 180
 tcaacaactc accaccaatc atgcctagcc ggttctctaaa ctcatatgga gaaatcttac 240
 catccccatc ctcatcanaa tacttaagaa cagctcaaa ctctgtgttc accctcataa 300

ctatagaaaa tacacgcata aatattgatg

<210> 1578
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 1578

ctcagcttaa catcagacca cttcaggggtg ctggaactac ttcacatgga cttgatgggtg 60
 cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttggtgt ggatgatttc 120
 tccagattta cctgggtcaa ctttatcaga gagaaatcag acacctttga agtattcaaa 180
 gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat taggagtgac 240
 catggccgag agtttgaaac ggcaagttac tgaatttgac atctgaggca tcaatcatga 300
 gttcttgac catccacca acaaatggat agtgaaggaa aacggacttg aagaactgca 360
 ggcattttat gccaaaattc ctatatttgc tgagcataca ccatgctttt cacaagccac 420
 taagaggctc acccctgtta attgaag 447

<210> 1579
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1579

cgcttgacc cagaagagct acaagtcaag ctcaaaacac agatagcaaa cctcctcaac 60
 tctagagttc catcaccaaa catctgccac cattctccag gttgcataac tnttctagt 120
 tcctttgect cttccataga caaaaacct ctagcaaaat caaactcaac aagttgcaaa 180
 ataattnttt ttcctttcta caacatcctt gaccaatctt ctcatacaca tgtgcaaccc 240
 ttctttcacc tgagggtcat catgtctaan actaggttta taatgcaaata gaggattact 300
 ataatacgca gtgtgatgca aaggcttgtg aagctaata tctcacctct cattgataat 360
 tntctaaaca ggctcataga tacatca 387

<210> 1580
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 1580

agcttgacaca caagattctg cttggctggc acttcaaaac cttctggttg ggtcttatag 60
atgtcttctt ctaaattccc atgcaagaat gcagttataa catgtagctg ctccaagaaa 120
agattctctg ccgcaacgat actcaaaata actctgatgg tagtcatctt tacaactgga 180
aaggagtctc tgagatatca attccctggt tctactgaaa cctcttcacc acaaggctcg 240
ccttgatatc tcttctaccg tcagattctt actttatcct acagaccac ctattttgta 300
acgtatctt tcttctggc aatctattta aagaccacgt cttattcttc tgaagggatg 360
tcattctatc tttcatcgct agcttccact caat 394

<210> 1581

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1581

tctgcttctt ccttcgagca gcaggcgtga gctccactgg tctcaatggg gagaagctgg 60
tgggagggga aaaccaact ggccgcatgg ggggtntcag agggatccgt ttcccactcg 120
cattaccggg cgtggaaatc aacggtgacg acaccccaa accaccagcc tggttctgat 180
taagactcaa tccctgagct tgcaaagtag cctggagttg agcatgagct gcagctgctg 240
cttgggcctg ngcctgggcc tgggccttgg actgagcttg gacaatagca tgggcctggg 300
acagtggaaa ctgtccttga taaccaacag gaatctgggc ctgtccttgg gact 354

<210> 1582

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1582

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tggaaggcct ctcatnttgt acatgggggtg tatgctgggg caacatgatg aatccggaaa 120
gaaagagcgc gctatttact acctaagtaa gaagttcacg acctgtgaaa tgaattactc 180
cttgcctaaa agaattgtgt gtgctttagt atgggcatcc catgccttaa gacagtacat 240

gctgagccat actacctggt tgatatccaa gatggacccg gtttaagtaca tctttgaaaa 300
gccagctctc acgggacgaa tcgcccgggtg gcatgtcctg ctatccgagt ttgatatatg 360
ctacgtcacc caaa 374

<210> 1583
<211> 454
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1583

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tatggagttg cctcattcga ggtgcgtact aatgcacgat agccatgtgg tgcaaagggg 120
agcatgtcat gtcaatcctt cttgatattc ttgtttgctg cttctaccac cccattcatt 180
ttttggcgat atggcacaga attgogatgt tgtatcttga agctatcgca caattctttc 240
atcatattgt tgggtcaaag ggtcccatta ttagtaataa tgtggccttg cagacatatc 300
aatagatcaa atctcctttg atgaatctga ccactacatt ccttggtaca ctatcataag 360
atgctacttc aatccattag tgaaataatc aatgggacta cgatgaaacc atgccttatt 420
caatggctta ggttcaattg acanatcaca tcta 454

<210> 1584
<211> 434
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1584

gtgtgcattg ttngagtta gtattggagt acatttattg aattgcatag ttactttatt 60
atgtgtcact ttgaattgaa ttcatagaat gtggattatg tttgttgaca cttgacttat 120
ttgcattaat tttttaatgg attgagtatc ataatatctt acactaaaaa ttattttatt 180
tcaagatcac attctttcta tagaaaatac aaaacataaa taccgaataa ttcattctat 240
gtgagtcac ttatgtgagc agacgagaat gctaattctaa agtttgagaa aatgactacc 300
acttattggt ctttcaattc ttataacata tgtgttgatt aataagtaaa tgtgcattat 360
tngagtaaag caagttcttt agtgtgcatt actagactat ntatcacttt gaactaaatt 420

ccatatatta actg

434

<210> 1585
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1585

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aagttgtaaa aattacctaa ataatgctag attaaatgac attttagttg atcattcata 120
gctgtgtaag tttgatactt taagtttctt gcaatttata agttgtttta agaacttggt 180
gcatttgccc cttcacatac tgagagaatg actaaagagc ctttctgctc tgccttttct 240
ctttcttaac acaaaatgat gttcaacctt catatacggc aggtttgcaa tcttgtctgg 300
tccaaaaatg tcaatgaact agtaagcagc catggctatt cccagaacca gataattggt 360
tggagatacc tctccatgac aaaggtagac tatatctact gtgataagcc gaatctctct 420
tatttttact taattntaac atgtc 445

<210> 1586
<211> 445
<212> DNA
<213> Glycine max

<400> 1586
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atgtcttctt ctaaattccc atgcaagaat gcagttttta catctagctg ctccaagtaa 120
agattctctg cagcaacaat actcaaaata actctgatgg tagtcatctt tacaactgga 180
aaggagtctc tgtgatatca attccctggt tctactgaaa ccttttcacc acaagtctcg 240
ccttgatatc tcttctaccg tcagattctt cctttagcct acagaccac ctattttgta 300
acgctttctt tcttctggc aatttagtta aagaccacgt cttattcttc tgaagggatg 360
tcattctatc tttcatcgct agcttccact caatagtgtc attccctgc atagcctcac 420
tgaaacattc tggctcacca acatc 445

<210> 1587

<211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1587

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ctcagcttgt caagttccat actgcctgca natgtagccc aaggcaagaa cccaacttgt 60
tgcacctttc gcttcctcat tatttcataag aaagctgttc tcatgactga aatactgggt 120
ttttcagctg aggctataac accgtgagca acagctcaaa tcttttcagc agatactgct 180
gccttcatga tgccagatgt tttggctcct gaagtcgcaa tccctggagc cacaacttta 240
taatggccag atgcaaaagc cagcactttc tgcactctggc tgagactgat tatgagtga 300
gttggaaatt tgaaagtgat aaccttcacc agtggtgatg cagggactac tntggtcaga 360
gatgaagctc caanaactgc tgtcgccag actctactgc accatagggt atctgtaata 420
accacttttc tcactatga 439
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<210> 1588
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1588

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gtntactaag aatgttgatg gagtcccgta atatatccag ccgttcgaaa tagaatgtag 60
aagctgtgag caaattcaaa cgacaatatt tgtttactcg gatgtctgat tgagtcccg 120
aatatatcga gacgctcgaa attgaatggt gaacctctga gccaatcaa acgacaataa 180
ctttttactc ggatgtctga ttgagtcccg caatatatcg agatgcttgg aattgaatgt 240
tgaagctctg agacaattca aacgacaata actctttact cggatgtctg attgagttcc 300
gtaatataac gagacgctca naatcgaatg ttgaatgtct gagccaatta aacgacaata 360
actttttact cggatgtcct attcagtgac gtattatatt 400
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<210> 1589
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1589

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 tggttcctaa gaaggcagac ctcacaatga tcaagaatga gagggatgag cttatcccca 120
 caagagtgca gaacagctgg cgagtcgca ttgattatag gaggctgaac caggcaacca 180
 gaaaagatca ttgtccctg ccattcattg atcaaatgct tgagcacttg gcaagtaagt 240
 ctcattactg gtttcttgat gggttttctt gttatttaca aattcatatt gtcctgagg 300
 atcaagataa taccacattc acctgtccct ttggcacttt tgccatatang agggatgcc 360
 ttggcctatg caatgcccc ggtaccttct agcgatgtat gcttagcatt ttcagtgact 420
 ttttagagag ttgcatagag gtgttgatgg atgaatctac tggttatgga tccctctttg 480

<210> 1590
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 1590

agcttagccc atcatcaata ttgatttcaa gaaacaaaa agcaagtaga tatatcagtg 60
 aactgagcca gaccaaggaa aaatacatca aagaaaataa ataatctagt atagctaatt 120
 ttataatcag ataaagcadc tgagacctgc tgccatgtgg tatcaacagg aggctgccgc 180
 cgagcatcgc cagcatcaaa atccagtaca ccataatccc tcaaccgaat ctacacagca 240
 ataactaaaa tcagaagtct ttttgaggat taaatgcatg gcattatcta taagacacat 300
 ttttcaaatt gagacaaacc cgaaggaagg cacggattct ttgcaaattc ccaacaccac 360
 caccaagagc agcctaccat tagataaaaa agcaagcaga aattaagtgt tgataacaaa 420
 taaaaattca tgcttgctct cttatatg 448

<210> 1591
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1591

agcttcgtga aaacctgcgg taaatgagat gcattttcaa tcttcatttt ctagttctag 60
 ctatctaatt ctcgtttaca taccttgatc tttttacctg gtgctaataa ttatagagta 120

aatagttaat ttaatcctta atttatatca cgttatttta gtcttttaaaa ttaaagaaaa 180
 cttaaaacaa ttggttgact agtttgactt tttattaatt ttagagactt aaatgacaat 240
 aaagtataaa ttcaaagact aattatctaa aaaaaaacta tctatttaat aattacatga 300
 agataaagaa gacacatttt caactttttt aaaaaataa atatacatc tctctctcta 360
 tatatactta aaaagtcttt nggcattaaa aatatat 397

<210> 1592
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 1592

agcttgteat tcattcagga tagaccagt agcctcacgt tcaaagggaa gctagtattt 60
 gaggtgaaca ggtatggctt cactgatggg ggagcttggg ttgatgggaa cctaaactaa 120
 tgcaatccta ccccgcaagg gcattggata gaaaactcca agtagattaa gccagagatg 180
 caagagaagg ccctaggatt cttatgagcc ttagggtaga tttcgggccc atgggctaag 240
 tatgagccca cttatctttg taaatattag attaaggttt cattattttt gggccttgta 300
 tttagagctc cataatgtag gtagggtagc ctagaaatat aggatttttc agcccttgta 360
 ttctagggca cctagactag tctttgtatt aggggtagtt ttggaatctc acatgcacta 420
 agtggatatt tgatgtgtgt ggctggagat a 451

<210> 1593
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1593

ctcagctttg acttagctng taaaaaaaaa aaaaaccaa tgcacctgaa tatttggtct 60
 tcagtgaggt gctgcttcaa actctttggt agctcactag atgattctga gtcacgacca 120
 aatggctttt caacaataac ccttggtccat ccactttttg aagaagcttt aagactagcg 180
 catctcacca catccacaaa tatgtttgga ggtattgaca aataaaacaa tctgttngat 240
 agctttccac cctagaaaag gccattgtca aatatatcta agcatagttt caagagcaat 300
 tattegtata aatttaattc tgggaaatat aagatgcctt aaattttatg attgataata 360

tcaccctttt gtagcactac ggttttaatt ntcaaatcac catctgctct aaagggttttt 420
gcactctatt ctacacagaa gaaagatctc ctaaactt 458

<210> 1594
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1594

tcggtgtacc tgaagatgct attaggctca gcctgttttc attttcttta tctagggagg 60
ccaagagatg gttgcattca ttctagggca acagtttaaa gactagggat aaggttggtg 120
agaagtttct aaaaaaatat ttcccagagt ctaaaactgc aaagggaaaa gctgcaattt 180
cttcattcca ttagtttccc gatgaatctt tgagtgagggc attaganaga ttccatagct 240
tgctgcggaa aactcccact catgggtttt cagagcctat acagctgaac atcttcattg 300
atgggttacg accgctgtca aagcagttac tcgacgcttc tgcaggagga aaaattaagt 360
tgaagacacc tgaagaagcc attgacttaa ttgaaaatat ggtttctagt gaaccacaca 420
atttgcata gagagttcat attcctacca ataagagntt attggagcat tcattacaag 480
at 482

<210> 1595
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1595

agctnttgga aggatcaaga agtgccttat gaatcctccc gtgcttatgc caccagtacc 60
tggaaggcct ctcatthtgt acatgacaat cttggacgag tcaatggggt gtatgctggg 120
gcaacatgac gaatccgga agaaagagcg cgatgtttac tacctaagta agaagttcac 180
gacctgtgaa atgaattact ccttgctcga aagaacgtgt tgtgctttag tatggacatc 240
ccatcgcta agacagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300
ggttaagtac atctttgaaa agccagctct cacgggacga atcgcccggt ggcaagtctt 360
gctatccgag ttgatatag ttacgtcac ccanaaggcg ataaaaggaa ggccttagc 420

agattatntg gctcaatagc ctcttaacga

450

<210> 1596
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1596

tctcaagata cacttaatgt tatgcagcat gtccattcta cttaaagtgtt aattcacaag 60
ttaaagatg atggttggca agctctgctg aaagatgtgg tattgttttg tgagcaacat 120
gacatttata ttctgattt caatggtacc tatgtagcac atcatgggcg ctctcgatat 180
caaaaagatc atatcacaat agaacatcat ttcagagtga acacaatttt tattgcagtt 240
gataagcaat tgcaggagtt aaatgctatg tttagtgagc aaacaatgga agttttaact 300
ntaatctgtg ttntagttcc taagatattt ttatacaact tttcaatgtt gatgatatat 360
gcactattgt gaacaaattt tatcctttta ttttagtaaa cacgagaaga tagttagaaa 420
tttaacttca cttttatttt gggtgctcta ctcat 455

<210> 1597
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1597

ataatatatc gaggcgctcg anantgaaca acggaaggtc ttgagaaatt caaatgggtca 60
taactnttaa ctcggatgtc caattcatgc gcatcacata tagagacgct aaaaaatgaa 120
caacggaagc tctccagaag ttaaaatggt cataagtttt cacaagatg tccgattcag 180
gcttgattta tatcgagacg cttcaaatta aacatcgaaa gctctcgaga aattcaatgg 240
gcataacttt tacttggat 259

<210> 1598
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1598

tgggatgagg aactatataa cagtaccaag gttttagttt aaggagtctt tnttcggaga 60
ggagaataat tctaggattt tagaattcca gtttttatta ctgttcatgc acactgtcca 120
cgtataataa aatccattnt ctgcaaata tctctaatac atacattttt taatactatg 180
gactttcttt attttctttt gatatactct gtgctttaac gacttaaagt caatatgaat 240
ttgcttatca attatttttg gatttgtaca ttacttatac gaaattttat aagtatcttg 300
ttctagttag tatttcact 319

<210> 1599

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1599

agcttcaagg ctaagtcttc atgttgctcc ccttatctct agcanaaatt gagccgacgg 60
gtgaagttgc taaatacaac gcatgattag tggccaaagg gttactgcaa aaatatgttc 120
tggattacca tgaagtcttt gttctagttg caagaattga actaattaaa cttatgggtg 180
caatcgctag ctaacggggc tggtcattgg atcaactaaa tgtgaaatta tcattctttt 240
atggggccctt ataaaaagtc tatgtatat 269

<210> 1600

<211> 578

<212> DNA

<213> Glycine max

<400> 1600

agcttctact tcatagtcta ccaaattcat atgatctatt catcatcaac attattgtca 60
gtcgtctaac ctttgatgat gttgccagaa ctattcctaa agaagaatcc aaacaaaaga 120
ataagaaaga taggcaggaa aattccaagc atgcaaaggc tttaatgatg acgaaggtag 180
atcaatgtaa tgtggctcta atgggagtta aaatcatggc agatcaaagt ctggaagaag 240
aaagaacctc aaatactata attgtggcag gagatgacac tttaaagaaag attgttggca 300
taaaaagagt ggaggagata aactatagag aatcgagctc tcaaggttgt gttgctagca 360
cctcaaataa tatggaagcc atgtgtagtg aaacaccaat tggttttaga ggtggaagac 420

aacttcatga ttgttggata ttagatttag gtgcagcttg gcacatgact ccatgttgag 480
 attgttttta cacttatgaa cttatcttgg aaggatatgt gttcatggaa aatgatcatg 540
 cccttggaaat tgctgggggtt ggtactggtc aaataaaa 578

<210> 1601
 <211> 483
 <212> DNA
 <213> Glycine max

<400> 1601

agctttgact tgagtcatca agagactata aatatgtgac catggcatga gtttcaaaaa 60
 aaaaaaaaaac aatcaatcat ctttgaatca tctatctttt acatcatctt ctttcaacat 120
 ccttcaatca atctttcaac atctcttaat attttctttt atctctttca acactttcaa 180
 cagaactttc taattgattt ctcttcatct ttctaaaagt ttttgggtcaa cactgtccct 240
 tccaagaaaa gttctttgat aaaaaactta tgttattcat cttgatgtaa gctccatttg 300
 agctttagg cccaggatct tcttcataaa tggattcctt tgcttcttgg tagatgaatg 360
 gcagcaaaat ggagaaggaa gggagagagg agacgccact tcaaggagaa gatgagtcta 420
 gaagaagctc accaccatag gaggccatgg ataagagctt ggaggaagaa agagatgaat 480
 gaa 483

<210> 1602
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 1602

agctttagc aaatgcaaac ggcaataacg ttttactcgg atgttcgatt gagtcaacgta 60
 atacatcgaa acgctcgaaa ttgaaaacag aagctctgtg caaattcaaa cgacaatata 120
 ttttaactcg gatgtccgat tgagtccgt aatatatcaa gacactcgaa attgagaata 180
 aaagctctga acaaattcaa acgacaataa ctttttactc ggatgtccga ttgagtccag 240
 taatatatct agacactcga aattgagaat agaagagctg agcaaattca aacgacaata 300
 actttttact cggatgtccg atggagtccc gagcgtttcg atatattatg cgcctaaatt 360
 ggacatccgg agttataggt atgacaattt taattgctcc aaagc 405

<210> 1603
 <211> 562
 <212> DNA
 <213> Glycine max

<400> 1603

agcttttagtc aaacagaata atccgaaaat gtcaaagaat tgggtgttga aaaagcataa 60
 caacacttttc tgtgattggt ttaaagatac aatctttgca gatgagaatg cttcaaaaag 120
 attaagaaag ctagcagatg ggcttaaaag aaatgttata atctggcaag gatacgacat 180
 aaacaggtat tcattttaca caaaagcaca agatgacaaa agtacaatgc agaacagcgg 240
 ggtcacccta agggctgaat ctcaacactt tgcaagtgtc aatgatgcc aatcctatgt 300
 agcttccatc cattactttg ggttcattga tgaaattcgg gagcttaatt atgtgaaatt 360
 tacagtatgt gttttcaa atgaaatgggt tgacagcaac accggtgtgc acaccgatga 420
 tataggattt acgctggtag atctaaagaa acttggttac cacaatgacc ctttcatcat 480
 ggcaaaacaa gcttgacaag tattttacgt gcaagaccct tgtgatgaaa ggtgggtgcgt 540
 ggttctacaa ggcaaaacag tt 562

<210> 1604
 <211> 581
 <212> DNA
 <213> Glycine max

<400> 1604

agcttattga acgtgatgat gtgctatcct gttttagag taatacttag caaactcttg 60
 attattcata ttttttttag cttgaaggct atagagaaag ccatagttag ctctgatctt 120
 ggtatgactc caaataatga tggagaattg atacgactga gcatcccaca gttgacatct 180
 gataggagga aggtattctc cagttccatt gatgctgcag tgtctaagtt tattttttct 240
 ctgtcaatta cattcttggt ctcatgact gaaagtaata ttcttaattg gttttcattt 300
 cttatttaac tattaacaaa atcgcataga atcacctctt ctacagtcac gacctatgag 360
 aaaactgatc tctacagtga cttaatatgt tgtttgccat gattccaata gttttagtta 420
 tcaatttatt ttgtttatga gattgtaccg ttttatataa aggtcctata tgcataaatt 480
 ttaatgaata tttgaaggct taaatgaata tgttgatttc ttgaaggcat ctgaataact 540

taaggctctgt ttggtttttt tccccaaaga aaagtgtttt t

581

<210> 1605
<211> 489
<212> DNA
<213> Glycine max

<400> 1605

agcttatagt tccagcaacg acaaaagcta attaagatag caccaatatt gctggaatgg 60
atagtttcaa tatttttcat atgtaatcct ttatgtagat gttgggggtga atgcacacta 120
agatggaaga gactcgctaa tatgccccaac gttcctactg caatataatg agaagctata 180
ctgaaacaaa aagataaaaa ccttccacgc ctacacaga ttactgatt gtatccttct 240
ggteaatcca taaggatcca ctactacaaa agcaattatt taagtcacga gacctacgac 300
ggttgtgcaa aaccgcctta atataaggca cagtggcaat ttgttaatta aggggagaaa 360
ttttattttt taagtcgcac gttctaaggc ggttacgaat aaccgactta gaatgagttg 420
ttattgtaag acaacgacgg tcttacggta agcccgtcgt tgttcctcac ctggcccgta 480
cttgacttt 489

<210> 1606
<211> 177
<212> DNA
<213> Glycine max

<400> 1606

gtaaccatgt aatttcactt gcagctgcag ccatggcacg gtatttagct tcaacactgg 60
atctagcaac tgcattttac ttcttgcttc tccatgaaat caagtcacct ccaacaagaa 120
cacattagcc agaggtagat cttttatctg atgatgatcc tgccaatta gcattag 177

<210> 1607
<211> 552
<212> DNA
<213> Glycine max

<400> 1607

agcttgtggt gtctcagcat tataatagtc tttcttttga cactttatat gagttggcca 60
agtgtttgaa cactgatatg gtgcctctga tagttaactg gctacaaaaa gttcttgctt 120

ttgctcttca tcaaactgat gaccagcagt taatttttgc cgtgcagttt taccatgcac 180
 agactgggtc tgacaagcag gaaatatttg cggtcgtttt acctgctctt ctagatgaac 240
 ttgtatgctt tacagattgt ggggattcag aagagataaa tagaaggtaa tttgtgtaga 300
 tttctggaac ttgattttta tttgattcct gagtggaaaa ctttcacacc tggatattaa 360
 tttttggaat tcacgtgttt gtcttggaat ctatgttgct ggcacctcag atttagctat 420
 attaatgatt atatacgtaa tttgttttta tttattcact catcattgat taacagaatt 480
 tgatttggtt actggccatt ggataaccaa tatatttgaa tctcacattt ctttctttca 540
 tgggaattgt at 552

<210> 1608
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 1608

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 tctaagtttg ttgttccata aattactatt attgttcata aaaaatatgt gcattgtgag 120
 tgaaccctaa tttcccgttt gagattccat accatgatta atacggatag tttggattag 180
 ttgtggtatg gattcttgaa ttgtccgttc ggacagtttg ggaactctct tttttttact 240
 tcattcatag tgttagtgtt tagctctact gagctttaa agattggcta agattttgtt 300
 aaaacataag cacttagaca atgaaggaaa gctggagttg ctgcacatga tgtccaacgt 360
 tatgtcaagg aatgagatcg ggctgcacaa tgtacaaggc aagataaaat gtcaaatgaa 420
 gaattgaagt tgcacgatcc acgatgtcgg ataacatgtc ctgacatcct gccccgagaa 480
 tactggagtt gct 493

<210> 1609
 <211> 561
 <212> DNA
 <213> Glycine max

<400> 1609

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 ttgtaggtgc cataaaatgc gaaaaataat ccagacaata atacaataga atccaaggct 120

ttttgccaga tgggtagaga agagccaaat aactttaagt gaaatgtggc tggcataaca 180
 aatgagagca ttgcacataa ggtgctccct acaaatgagg caaatacaga aaattctggc 240
 acaaatgaag ctatgactgc caatccaacc accacaatcg cccggctaac gtatatgcac 300
 atattttcta gtcccattga atcattattg tttctgagga tgattttgag tttcccttcc 360
 acaatctcat taattgggtg aaacatgact gggagtgtga atgcaagccc cacacataat 420
 cctacctgtc aaatgtagca aaaacttgaa gataatggaa ttctggcaaa ataaacgtag 480
 tattctgcaa agtgactat cctagtagac atggctaagg acaaagtaaa atacacccca 540
 acatatatta tgcagtgcac a 561

<210> 1610
 <211> 545
 <212> DNA
 <213> Glycine max

<400> 1610

agcttgtaa aaaggaagc aagttagaaa ctcttttcaa agcaagaaca ttgtttctac 60
 ttcgaaaccc cttgaactac ttcacactga tttatttggc ccctctaaaa ctatgagttt 120
 gggttgtaat tactatggct tagttatagt agatgattac tcaacgttca catggacttt 180
 gtttttgaaa acaaaaaatg aagcttttga tgcttttcgc aaacttgcca aggtgattca 240
 aaatgaaata ggtcttaaca ttgtttcact tagaagtgat catgaagggtg aatttcaaaa 300
 tgagtctttt gaaatatttt gtgaagaaaa tggaatttac cacaattttt ctgccccaaag 360
 aacaccccaa caaatgggtg ttgtggagag gagaaatata tcccttgaag aagggtgccag 420
 aacccttcta aatgaaacaa agttacccta gtacttttgg gctgatgctg tacatactat 480
 ttggtacacc ttgaacagag tacttattag acctattttg gagaaaactc cttatgaatt 540
 gtata 545

<210> 1611
 <211> 496
 <212> DNA
 <213> Glycine max

<400> 1611

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tccccaaatc ttggaaaact gccaaagacc cggtaccttc agcatacctt gtattatagg 120
 gaacaggaag ttgacaatg ccattgctaaa tttaggagct tctgttaata ttatgcctct 180
 ggctatTTTT aattctctat ctctaagtcc tctgcagtca actgatgggg ggattcattt 240
 agctaataka agtgccgcct atcctgctgg ttgtaaaaaa gatgtcttat ttagagatgg 300
 tgagctgatt ctgcctcttg aattttatat tctgaatatg gaggagggat tttttaaagg 360
 atcagttcct atcattctaa gcagaccttt tattaaaact gctacaacta agatcgacgt 420
 atatgcccgc acactatcta tggagtttgg tgatacaact gttcatttaa tattcttgat 480
 gctatgaaac acccat 496

<210> 1612
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 1612

agcttgacat aatgaaatcg ctttttactt ttttatataa aattacacta aaaataaaat 60
 atatttatta atgtatactt atttgctgtt gaaaaagagt attttagctt attataactt 120
 taattttttt aaatatacca tataaaacat gtgtgtatat attaataac tctataaata 180
 ttcgctgatt tatTTTTTaa aagaaaattt taaaaaggta taatttcatt tttttaaata 240
 cattcaaaat gtaaattgtt caaattttcc ttcttttata aaacgagtac atgtgcatta 300
 cctaattctca ataaaaaaat aatatttctt tatttaataa ataagaaaga ctaataagag 360
 aataccaaag caaaaattag attttttttc aattggaatt tgttattcga aatgagaatc 420
 ttctaccaa agatacactt ttttggtact t 451

<210> 1613
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 1613

agcttacggt gttcaatttc gaccatcttg ttttattatg cgctgaatc tgacatccga 60
 gttaaaaggt atgaccattt caatttcacg agcgcttaca ttgctcaatt tctagcggct 120
 ctatatatta tgcgctgaa tctgacatgc gagtttaaag ttatgaccat ttgaatttct 180

cgagagattc cgatattcaa tttcgagcgt ttctatatat tatgcgcctg aatctgacca 240
 tggagtgaag acttatgacc atttgaattt ctcgagagaa tccgttgatc aattacgagc 300
 atctcgatat attatgcgcc tgaatcgaac ctccgagttt gaagtgatga ccatttgaat 360
 ctctcaaga 369

<210> 1614
 <211> 578
 <212> DNA
 <213> Glycine max

<400> 1614
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 gcgcaaaatc tcttgaacta ggaagatggt gtccatcatc tttctgttct taatgaaagc 120
 agtttgagtt tccccataa tagtctcaag cactggggct atgcggttgg ccagaatttt 180
 agatacaatc ttgtataaca aattacagca agatatgggt ctaaaatggt taacctggga 240
 ggctgatca tgcttaggaa taagcgcaat aatagcatgg ttgagttgct ttagaatttt 300
 tccagttgta aagaattcat taaccgctgc aaagatatca tcaccaatga tattccaagc 360
 cttcttgaag aataaaacat tgaaaccatc tggcccagga gctttattat tatccatcac 420
 agaaataacg ttccaaacct cttgcttata agtaggacaa agtaaggcca caaagcaatc 480
 gatgggaacc ttatgacccc tgttcagat caaatggat ggagtttggg tcagctcatg 540
 aacactaaac aaattcctaa agtgattcac aaaagcag 578

<210> 1615
 <211> 522
 <212> DNA
 <213> Glycine max

<400> 1615
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 gaatgtatgt atactttgga aattcaaatt caaagtcac aacccttcaa attataactg 120
 tgtaatcgat tacacaaaca ttgtaatcga ttaccagtgg aaagttttca gaaaatctgc 180
 cagcagtcac atcttttcat tagatttgtg aatggccatc aaaggcctat aaatagggtga 240
 cttgggcacg aatttttaaaa agagagtttt gcttggaaca aatgtcttat cctctcaaaa 300

gacaatgaga gagattctaa aagaacttca ttgtcaaatg ctctctcaaa agaaatcctt 360
gaccaaacac ttgcaaaatc tataaggatt cctacatgat ctttattgga atattcttct 420
cttgaagaaa gaattcttct tccattcttc ttattcaatg agattgggta agagactgtg 480
agtctcttgt tgtaaaggat tcttgaacac aaaggatggg tt 522

<210> 1616
<211> 554
<212> DNA
<213> Glycine max

<400> 1616
agcttttcgt tgtctctctg cctgctcctt ccaaaccgtc ttgcaatcg tctatgccac 60
tgtagtctcg cccttggtgc ttatgtcctt taaaagatat ttcccttatt gttcttgccg 120
ctccatatga gcttcaatct gatgtagttt gtattgttcc agcaagtcac cctatgggtga 180
ctcgtgctaa agctgggtatc tacaaacctc gtcactttgc agatataact acttatcggc 240
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ccaagcatcc tggctggctt gctgcaatga atgaagaact cacgtcctta cactccaaca 360
agacttggga acttggttct cgaccaccta acactaacat tgttggctcc caatgggtat 420
ttgttagtct gtgaaaacga ctaacttttg tgtataaaac ttgtataaat tgtatcacac 480
tcttccaatt tatgggttatt ttggagtgtt ataaggaatt tctattaagt ataagtaata 540
aatacttagt attt 554

<210> 1617
<211> 469
<212> DNA
<213> Glycine max

<400> 1617
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gtggcctcaa atatcttaag aagggggggg tgaattaaga tatcaciaac tatttcccc 120
attcaaattc tatttcactt tctattcaag ttacaaattc cttttataat gaacttctta 180
aatattgatt caaatagaac aatctgaata taaatataaa acaataataa ataaaagagt 240
ttaaggaag agaaagtgc aacttagatt tatactgggtt cgccacacc cttgtgccta 300

cgctccagtc ccaagcaacc cgcttgagag ttcactatc ttgtaaaatc cttttacaag 360
 ttctaaacac acaaggacaa tcattccttt gtgttttagaa ttcttttaca ataagagacc 420
 ctcggtctct taatccctta gagaattaga aagagaaaaa gaatgaatc 469

<210> 1618
 <211> 575
 <212> DNA
 <213> Glycine max

<400> 1618

agcttgggga atagcattaa ctggtaatct tgacacatgc attggtacaa cagtactact 60
 gtggccacaa tgcaacaatc atgtggtact cgtactgaca tgacctaaac cgctagcacc 120
 atggtttcac aagacggcaa gatgccaatc gtacttatac tttgatgtga gttttcacca 180
 tggatagcat ctagtgttaa tggacaaaag caaatggctt cagccgttat caatgttata 240
 aaagaataaa agattatggt ttgttttgat caagagtga ataaaagtga aagaaacagg 300
 agagaaagat ccaaattgat aaggatagaa ataaagagag aaatagagaa atttgtcttc 360
 aattgttttag atgggtacaa tattaaaagt gaaaaataac aaacgatatg agtttctatc 420
 gggttgattg attattacca taataaaaat gaatcttact tgaaaaaatt ttattttggt 480
 tcattaagca ccttataatt tattgaactt aagttttgat aaaacgctaa tataaatttt 540
 tttatactat caatttaatt aaaaattatt ttaat 575

<210> 1619
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 1619

agcttgaaat tgcacaacgg aagcactcga gatattctaa tgggcataac ttttactcgc 60
 gatgtccgat tctcgggcca taatctccat ctaagatggc ttcgaaatat gaaacattct 120
 ggaaagcctc tccgagaaaa ttcgatatg ggtcaataac cttttcacac ggatgtccaa 180
 atttaggaca taatatatcg agacactcga aattgcacaa cggaagcact cgagaaattt 240
 gaatggtcat aacttttcac acggatgtcc gaatttggga cataatatat cgagacgctc 300
 gaaattgcgc cacggaagcc cctcagaaat tcgaatggc attaactttt tcacacgaat 360

gtttggattc cggacataac ttatttagac gctcgaaatt gacaacggaa gctctcg 417

<210> 1620
<211> 602
<212> DNA
<213> Glycine max

<400> 1620

agcttcaaca tcagaccact tccaggggtgc tggactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
atggcagaga gtttgaaaac ggcaagttta ctgaattctg cacatctgaa ggcatcactc 300
atgagttctc tgcagccatc acaccacaac aaaatggcat agttgaaagg aaaaacagga 360
ctttgcaaga agctgccagg gtcattgttc atgccaaaga actttcctat aatctctggg 420
ctgaagccat gaacacagca tgctatattc acaacagagt cacactttga agagggactc 480
caaccacact gtatgaaatc tggaagggag gaaccactg tcaagcactt tcacattttt 540
ggaaagtcatt gttacttttt ggcgattgaa accaaggaga aagatggatc ccaaaagtga 600
tg 602

<210> 1621
<211> 444
<212> DNA
<213> Glycine max

<400> 1621

agcttggttaa tcattctgac aagaaaaatg tttttacaca tggacgggtt aataaagagt 60
gactaaatcc tcactatata atgtgtgtgt atgaaaaata aatttcacac tttattattg 120
tagaatttca aaccaaaga tatagtgcatt ttaatacatg aaaattaaat tttatcact 180
aaagttgaag tggtttaaat gcaaatggac aattgaattt tacgagctag ataaagacta 240
tttgaatgga tacattgaaa attattttgt ttcaattttt aatagaactt attattttta 300
gttggtgaaa atcttcacta taaatagaaa agagaattag tggagaaaat tactttgttc 360
agagaaaagc gtatttgtgt gaatgttatt attttttgta actattgaat gtggtactag 420

gatttggtga gtaatacaca attt

444

<210> 1622
<211> 629
<212> DNA
<213> Glycine max

<400> 1622

agcttaagct cctttaactg cacaagactc ttaatatgtg aagagtatcc ttgtggaacc 60
ttaacccgac aaagacactg acaaaaaactt atcttctcct ttttggacaa agtatggcaa 120
gctggggcaa gttaaattttc ttcccatcag accttggatg caattgtgat cgtatcccca 180
tatcagctag atcttgacyg gtattcaagc catccttcgt cttgccttga atgttaagga 240
gcgccccaat cacactgtca caaacatttt tctccacatg cataacatca atagaatgtc 300
taacgtctag atcagaccag tacggaagat caaagaaaat ggacctcttc ttccatatgc 360
aactattact tttatccttc ttttggatct ttccaaaaac attattcagg tgttgaaccc 420
gctgatatac ttgttcacca atcaacagta ttggcgcaat atcatgctct tggattccat 480
taaaagcttt tttcagtcgt ctgtaaagat gattgggtgt taaaaaacgg aaatgcctac 540
tgtagactat ttttttttcc tgttttaatt ggttgtagct tttggtttct tcacagatgg 600
gggatgcatg aagaaccttt aacattgta 629

<210> 1623
<211> 584
<212> DNA
<213> Glycine max

<400> 1623

agcttgatga ttcaacgttt cttctatggc gacaacaagt cgagccaatt atcaaatccc 60
accgtcttca gcaatttgta gctaatecac agattctgct ccgcttcctt tctaaagaag 120
atcgtttagc tggaattgag aatccagcgt atgaatcttg ggagaaacaa gatcagggtgc 180
tcctcacatg gcttcaattg accttttcta cattgatttt atctcgagtg ttataggatg 240
cacacattcc tatgaagttt gggagtgcac tcatgagtat ttttacaac aaactatcac 300
cacagcaagg caacttcgca ctgaattttg agcaacgact cttgcgggta agtcaatgca 360
cgagttcctg ttgcagattt gcgcaatcgc agattctctt gcctctgttg gaagtccaat 420

tatgcttcag gagcatatcg attccattct tgaaggtecc tcaactgaatt atcatccgcc 480
 attattgaaa gcaagtttta acccccgcg agtaacttga accaatgggt gccaccactg 540
 cagcatacac caccatacca aaaatcaact cgtcataccg aaaa 584

<210> 1624
 <211> 597
 <212> DNA
 <213> Glycine max

<400> 1624
 agctttctcac tcctttgaca ttcattggag gagggagttt ctcaattgca tcaatctttg 60
 ccttgtcgc ctctattccc cttactgaaa ttttatgccc cagcactatt ccttcttgaa 120
 ccatgaaatg ggatttctcc cagttgagaa ctagattgga ctcttcacat atttgtaata 180
 ctctttcaag gtttgatagg cacccttaa aagatggccc aaaaatagag aaatcgcca 240
 tgaaaacttc aatgcatttt tccaccatat caaaaaagat tgccatcata caccgctgaa 300
 atgtagctgg ggcattgcat agacaaaag gcatgcacca atatccgaat acacctatag 360
 ggcaggtgaa agcaatcttt tcttgatctt tgggatctac aacaatctaa ttatagtcag 420
 aatacccatc cagaaaacaa taataagatt gccctgcgag tcgttcaagc atctggcca 480
 taaaggaagc aaataatggt ccttccgaat ggcatcattc aacttccgat agtcaatgca 540
 caatctccaa cccgtgataa tccttggtga tattaactca tatttatcaa tttttat 597

<210> 1625
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1625

atttggtctg tgcactatat ttgacattgt ggcattgaga gattangcct aatacttaga 60
 aatagtccaa aagggtgattg ttatctttta taaaattgac ttatatttat ttaaaaaaac 120
 attgtttate atcataaaaa taaaatttac taacttagat cttaaggagt ttataacaaa 180
 taacgcacag tatttaacta actcaactaa attccttgat gttgaattta agtatagtcg 240
 ataataataa attttagata acttttctat tactaataga tgttaaaata attaaataat 300

attgaattta atattatact taaattttat cttctttttt attaaaccat cttgtaataa 360
 ttatatattg tcttttaaaaa agntactana ttaattttat ttttatctac tcttatta 418

<210> 1626
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 1626

cgtatgggta aagtctcatg aatgtcacgt gctcatgcta caattggttag gcgtgggctat 60
 acgagacatc ttgcccaaca tagtcatgat aacgataact cgcctatgct ttctcttaca 120
 tgctatatgt agcaaagcca ttgatccaat aatgtttgat gagttggaaa atgacgccga 180
 aattatactg tgccagtcgg agatgtatct tccccctggg ttctttgacg tcatgatcca 240
 cttgattgtg catctagtta gagaaatcaa ctgttgcgga cctgtttatc tatggcggat 300
 gtaccacatt gagcgataca tgaagatctt attaggggtgt acaaagaatc tatatcgtcc 360
 acaagcatct attgttgaga ggtacattgc a 391

<210> 1627
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1627

agcttcgcaa canattctac tctccgatcc tcaacatcga caagctgtgg tccctgggtcc 60
 cgcaagaagt gaaggacaac gcctccaagg agaacaaggc gccgctcatc gacgtcacgc 120
 agttcgggta ctttaagggt ctcggaaagg gcgttttgcc gcagaaccag cccgttgtgg 180
 tcaaggccaa gcttatttcc aagatcgctg agaagaagat caaagaggct ggccggcgccg 240
 ttgttctcac cgcttgaatt tgacggtatc acttttttga acgatttang ttttgttctg 300
 atacgttttg ttttgatta tgttgntgnt tagtctctgc tatatttcan gagtaaattg 360
 aaggtttatt attttaattt gcgcgaataa ctatgccagc ctgatgacat tagaatcta 419

<210> 1628
 <211> 489
 <212> DNA
 <213> Glycine max

tccatcaatc tatctcteta accatcaagg ccgatatatg tatggatatc ctactcaagg	60
cgtcagccac tacattggct gtgccggggt ggcaactaag ctcaaaatca taatctttaa	120
gaaactctaa ccctctcttt tgacgcatgt tcagctcttt ctgactaaac aagtacttaa	180
ggctcttatg atcactaaac acctcaaact tggagccaaa caggtaatgc ctccacatct	240
taagggcaaaa aactacagca gctaactcca agtcgtgagt gggataattc ctctcatgag	300
tctttagtgt tctagaagca taggctatta cttggccatt atgcatcaac actcctccta	360
taccatctt tgatgcatca caatacacct canatggttc cctcgggtta ggaaaaacta	420
gcactagagc ggtcgtcaat ctttccttaa gggtcgtgaa actatgctca cactaggtgt	480
cccacccat	489

```
<223>    unsure at all n locations
<400>    1629
```

tagatgaaga tgaatcogtg gccacctcat ggactcctct aaggacaata gcatcatttc	60
ttgcactgaa ttgttgggag ttggaagcca tcttctcaat caaatctcta gcctcagcag	120
gggtcatatc accaagagct ccaccattga cagcatcaat catactcttc tccatgttgc	180
taagtccctc atagaaatat tgaagaagga gttgctcaga aatctggttg tgaggacagc	240
ttgcacacaa tttcttgaat cttccacaat actcatacaa gctctctcca ctaagttgcc	300
tgatgcctga aatgtctttt ttgatggcag tggctctaga tgtagggaag aatttctcca	360
agaacaccct ctttaaggtca tcccagctga naatggacct gngagcaagg tagtatatcc	420
aatcttttgt cacttccttc aaagaatgan gaacagcctt tagaaagata tgatcttctt	480
ggacatc	487

695

<223> unsure at all n locations
<400> 1630

agcttgcttc tacagtaagt gttgatagtc aattagcact tagtcttagg aaaaaggtaa 60
ctgtgtttta aaatttgcag atacgaaaaa ccaacttgca gacatcttca caaaaccact 120
aaccaaagat tctttctaca ccattagaag ataattagga cttctagatg caagtgactt 180
agacaaatga tttatgtttt gatgacttat ttgttattta tgcacatatg cttctattat 240
aatgtgagga taatttatta tcttgtttga tttctataag cttctctctt ttcttgttta 300
attattatat tttttttaac ccttgatatt ggctatgtn ttatgacatt tgaatactta 360
gtatttcttt tattatttga ttagtatgac tggacatgat gattatattt acttgctttt 420
gggtgttatg gtatgaagtt taaacttatt tt 452

<210> 1631
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1631

agcttgacaa gagggctctgt ntaactaaca ataataataa taactttatt ttatcaaact 60
ttatcttacc cagattttat tccatccaga ttttatccg tctagatttt atttcgtcca 120
gattttattt tatccatctt atcttatctt gtccagattt tattttattt cgtttatggg 180
cttggactta aaatagattt gtaagctttg tggctaagaa cctcatccat acatttttta 240
atagtatgct ctttttattt tcttttgata tacttttgtt tttaacgact tgaattcaat 300
atgattttgt ttatcaatta tttttggatt tgtacattac ttatatgaaa ttttataagt 360
ttattttttt agttagattt cactagggtt taaaataata aattaattaa aggcgtcttt 420
aaacaaactt ttaaat 436

<210> 1632
<211> 404
<212> DNA
<213> Glycine max

<400> 1632

agcttcagaa ttcaatttcg agcgtctcaa tagattacgg gactcaatca gacatccgag 60

caaaacatta ttgtcgtttg aattagctca gagcttcaga attcaatttc gatcgctcgc 120
 atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcggt cgaatttgct 180
 gagagcttca acattcaatt tcgagcgtct cgatgtttta tgggacttaa tcagacatcc 240
 gagtaaaaag ttattgccgt ttgaatttgc tgagagcttc aacattcaat ttcgagcatc 300
 tcgatatatt acgggactca atcagacatc cgagtaaaaa gttatcgctc tttgaatttg 360
 tcagagcttc aacattcatt tggagcgata catatatacg gact 404

<210> 1633
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 1633

agcttaataa atctatatat ggtttaattc atgcttctcg tcagtggtag ctttaagtttc 60
 atgggataat ttcttcattt ggctttgatg aaaaccccat ggatcaatgc atataccaca 120
 aggttagtgg gagtaaaata tgctttcttg gtttatatgt agatgatatt ttacttgcag 180
 ccaatgatcg gggtttgcta catgaggtga aacaatttct ctctaagaat tttgacatga 240
 aggatatggg tgatgcatct tatgtcatcg gcattaagat tcatagagat agatctcgag 300
 gtattttggg tctatcacag gaaacctata ttaacaaaat tctagagaga tttcggatga 360
 a 361

<210> 1634
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1634

ctgtagagga atccatcgga gttgtgtttg gtcgacatcc catcatacc gaacagata 60
 atatgtccaa agtatacttt ctttgcgaca aatggattcc cttagaggaa cgcgcgattt 120
 ccaggccaag gaagtacttt aagtttccaa gatccttgat cctaaaagct tgatcaagca 180
 atgtgagcat ctctgtatt tcagtgttgc tgttgcctgt taaaataatg tcgtccacat 240
 atactaagag tatcgtggtg actgaaccat taaagcggag aanaagggaa tggctctgagt 300

gagactgttg gaacccatgc attggttaga taccgatag cttcacgaac cattgac

357

<210> 1635

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1635

agcttctata gaaggttcgt tcctaatttc tctacaattg catcacctct caatgagctg 60
gtgaagaaga atgtggcatt tacctgnggt gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc ttactaaggc acctgttcta gctcttcctg actttttctaa aacttttgag 180
ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240
attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatgataaa 300
gagctttatg ccttaataag agccctccaa acttggaac attatcctct gttcaaagaa 360
tttgtcattc atagtgatca tcaatcac 388

<210> 1636

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1636

ntngacggac tataccaagc tctaggaacc agggacggag aaagatctat atatatgctt 60
gctaattgta gagagaggaa gactagagat ttggatcaag taaagtgtgt taaggatgaa 120
gaaggcaaag tcttagtgca tgaaaagat atcaaggaaa ggtggaaggc gtattttccac 180
aacttattta atgatggata tggatatgac tctagcagtc tagacacaag agaagaggac 240
cggaactata agtactatcg tcggattcag aaacaggaag taaaggaagc gttgaaaaga 300
atgagtaatg gtaaggcggg ggggccagac aacataccta ttgaagtgtg gaaaactctt 360
ggagatagag gtcttgagtg gtcaccgaa ctctctaacg aaattatg 408

<210> 1637

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 1637

tgcagcttcg ttgtcaattt cgagcgtctg gatataattat gtcccaaaat tggacatccg 60
tgtgaaaagt tatgaccatt cgaatttctc gagagcttcc gtagttcaat ttcgagcgtc 120
tcgatataatt atctccccga atcggacatc tgtgttaaaa gttatgacca ttttaatttc 180
tcgaatgctt ccgtttttca atttcgagca tctcgatata ttatgtccag aaatcaaaca 240
tcagtgtgaa aagttatgac cattcgaatt tctcgatagc ttccgctggg caatttcgag 300
cgtcttgata tattatgtcc ccgaatcgga catctgtgtg aaaagttatg accattcgaa 360
tntcttgaga gc 372

<210> 1638
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1638

agcttcttgg caatcctcat tccagcgatc agtttggtn ttgcgtaaga gcttgaacaa 60
cggctcacia atggcgggtga gctgcgatat gaatctggca atataattca agcgtcccag 120
gaaacctcgg acttgccctc ctgtacggng ttctggcatc tcaaggatag ccttcacctt 180
ttcggngtct acctctatcc ctttctggct tacaatgaaa ccaagcaatt tcccttattt 240
gacccccaaa gtacacttgg cgngttcaa ccttaattga tatttctt 288

<210> 1639
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1639

tcattgcaaga attattaatc ttcttggcca actaataacc attgtgaggn ggaggcatat 60
gacgaaagtt aagaatcttt ntatttgact tccaatttag gtaaacaaaa tgggtagtca 120
aagttatgaa acccttagta ttaatagatg tccataaatc agaagttaaa cagatcctgc 180
caggaatagc acacaacagt tctttactga tggttttctt cctctcatat attctcaaca 240
tattagtctt aaaagtattt ctagaaattg gttaattgag gacacaaata acttatcaaa 300

gcctgaaact ctggatactt aacaaaaatg aagggcaaat tacgcctaatt cattagatta 360
 cacaacaatt cgcgtgccat catngatct atctctttgg ccttaaactt tccttgcattg 420
 tctaagatca tttgactcat atcttcanag ttttttatct cacatctgcc attatga 477

<210> 1640
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 1640
 caatttcgag cgtctcgata tcttatgcgc ctgaatctga cctccgagtg aaaagtgatg 60
 agcatctgaa tttctcgaga gcttccggtg ttcaattgcg agtgccctgga gataatatac 120
 gcctgaatca gacctccgag tgaaacatta tgaccatttt aatttctcga gagcttccgc 180
 tgctcaattt ccagcgtctc tatatgtgat gcgcctcaat ctgacctccg cgagaaaagt 240
 catgaccatt tgaatgtctc gagagctctc gttgttcaat ttcgagcggg ttgatgtatc 300
 atgcgcctga atgcgacctc cgagt 325

<210> 1641
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 1641
 actcagctta cagttccgtc actttggata atacacaaag aaggctgttc gatgttagaa 60
 gacaatctca acagggttagg gatacagtggt tggaaatgca atctaaaatt ggtagtaatc 120
 gagtgacgtg catggagtta caagtagaac ttgagaaaga aaggatttta gtctgtaata 180
 atgtgtacaa aatttttctt cgaatgattt ggtacacaga agttgtgaac cttcttgtct 240
 ttctatatct aggtttgccg agaaaagagt ggaagaggat ctggagggtc ctaggagaaa 300
 gtttacgcgc cttatagagc agaatgaggg ctcttcagta actgaaaagc ttcaagagga 360
 acttgaagag tacagggaca ttatcaagtg cagtat 396

<210> 1642
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 1642

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agctngaaga caagactata cgaggtatct ttcttgggta tagcaatata tctaagggct 60
accgtgtcta caacttgcaa actaagaaac tcgtcatcag tcgagatggt gaagttgatg 120
aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt atactcgttc 180
aactacctca agaagaagat gaggaagana acccaggtga accaccttca cctccatcac 240
aacaacaaga agagatggag tatccataca gaannaattg caccagtagc tcgtcttaat 300
aagacaaagc tcaac 315
```

<210> 1643
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1643

```
ttgattcaag atntcttcaa gatcaagcct tgcctcataa cgaaagggtt caagtcatcc 60
aaggcacatg taatcgatta ccaatacgtg taattgatta ccaatgattt gaaagtgtgt 120
aatcgattac tagagactct gaatgttggg aattcaaatt ttaaatgaag agtcacagct 180
gttcaagata aataactatg taatcgatta cactaatgct gtaatcgatt agtggagagg 240
atthtcaagg aatatcgcca atagtcacat cttatcattt ggattttgaa tggccatcaa 300
aggcctatat atatgtgtga cttgtgacaa aattggaaga gagttntgct ggtccagaat 360
gtcttatect ctcacaagaa aatgagagag attccaagag aact 404
```

<210> 1644
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1644

```
agcttaattct taatgatcaa tcattaattc acgagacatc ttctgtttgt ctctgatca 60
tgcactgcag aaaatctaga agttgctgca agaggttcaa aataaatggn gaaagctata 120
atgaactggc catccacctt gtectcaggc tctttttctt cattttcatt agcaggactg 180
```

tccttggttc cttctgctgc atcttctct cctacaggct tctcatcagc aagaaccttt 240
 tcagtttcat tcaccacttc ctcagtcacc ctatgaaatt aacatcaaaa ggaacaaata 300
 attaataact gccaatataa aacatgagac tcttgatga aaattctaata ctgaacttca 360
 ttattattaa nattaagaat taanantatg aatacaaaaca attactta 408

<210> 1645
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1645

agcttaactc tcaaattccn cttcacccca ttctcttttg atataggcat tccttcatta 60
 gggacaacaa cctcagcacc aggtttgaca atatctgtca atgggatcat gagactcctt 120
 ccgtccaagg tggtagatc caacgtttta ccagtaaggg cctcaagaag gggtatctct 180
 tggttgatca ccaaattcatt accatccctt ctataaagag catgcggctt ctcactctac 240
 aaaaaaatga gatctgctgg gatgacacca ggctcacggt tacctttctc tgggaaggta 300
 atttttgttc ctttcttcca gccaggtttt atctcgatag tcaaaatctc ctccacatcc 360
 ccacatttgc tgaaatggaa ttgcatgtgt caaatattgt caaaaaaacac aaa 413

<210> 1646
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 1646

agcttgctta agtccgtata ttgaattctt tattgtgcac accacgtgtt cttttccttc 60
 aactgagaat cccattgggc tggccatgt acacattctc ctctaaatct ccattaagaa 120
 agatattttt cacatgcatt tgatgtagct ctaagtcata ataggctact agcgccatga 180
 taattctgaa ggaatccttt cgtgacactg cgaaaaatgt ctctttataa tcaacatcat 240
 ctgtctgagt aaaagtctta gtaacaacag ttggcctagt aatgttcaag gttgccatga 300
 gagtcacatt tagtcttaca gacctatgta caaccaactc tat 343

<210> 1647
 <211> 255

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1647

tctcgatata ttatgcacct gaatcagact tccgtttgan aagttatgac catttgaatt 60
tctcgagagc ttctgctggt caatttcaag cttctcgata tattatgcgc ctgaattgga 120
cttccgtgtg acaagttatg accatattaa tttctcgaga gcattcgctc ttcaatttcg 180
agtgtctcga tatattatgc gtctgaatcg gacttgccgc tgataagata tgaccatttg 240
aatgtctcga gagct 255

<210> 1648
<211> 433
<212> DNA
<213> Glycine max

<400> 1648

cattgacagg acatgcctat tatattcttg ttaaacagag ctcatacatc tgtgagcatt 60
attaagctcg atgcaagatc ttcatatgc cccctagatc cttcttacca attgaagttt 120
tgaacaacat ggattgagaa ggtataatca tgaagaggag atacttaatt cactacagag 180
caaaatggtg taccataaga tgattttttt ttttcacgca attatgaaaa ctactaaata 240
acaaactaga agaataaaat gaaggcaaat agtacacagt acacacccat cttgccgtga 300
ttegctccct gagttcaaat ttgggttcaa tggggcgctc tctgtgaca agttcaacaa 360
gcaaaactcc aaatgaatac acgtcactct tttcagttag ttgataagtt ttcacgtatt 420
caggggtccaa gta 433

<210> 1649
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1649

ntatagaaat tcaaattggtc atgactcttc acacgaatgt ccgattcggt gaaataataa 60
atcgagacat tcgaaatata acaacgaaag ctctcaagaa attcaaattg tcataacctt 120
tcacgcggat gtctgattcc gacacataac atatcgagac gtcgaaatt gaacaatgga 180

aactttcaag aaattcaaat gatcataaca ttccacacgg atgtccgatt aaggcgcata 240
 atatatcgag acgctcgata ttgaacaatg gtcgatattg aacaatggta gctctcgaga 300
 gactcacatg gtcataactt ttcactcgaa tgtgcgattc ggagacataa tatatcgaga 360
 cgctcg 366

<210> 1650
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1650

agcttattct cgatttggtg cnttggattt atcttganaa aatcgctgct tgagaagtgc 60
 ctgtagtggt ttataagat ggtagtaag ggactgttgc ctgacgtcaa gaattgcaat 120
 agggttctta gattgcttag ggatagggat aataacatcg acgttgcgag ggagggttat 180
 aatgtgatgg tggagtgtgg aatttgcctt accgttggtt cttataacac aatgttggat 240
 tccttttgca agacagggat gggtcangaa gctctgcagc ttttgtttca gatgcaggcg 300
 atggtgtggt cgcccaacga tgtcacgtat aatgttntgg tgaatgggtt gtctcacagt 360
 ggggagatgg ag 372

<210> 1651
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1651

agctataagt gaggccttgn gagaggatnt gtccaaaccc tccaacacca gtacttgtag 60
 taataaagct gacactacta ctactaaggc aaggataaga tgcagcatcg accaaagctt 120
 tctgaagaac aaatctgtaa aggttaccac ggaacttctt gaacagcatg tgtggaggcc 180
 ccagagaggg ttgccagagc gtgcagtggc aattcttaaa gcttgggttat ttgagcattt 240
 tcttcacccg tatgtttgtc tctatctatg tctcttatta ataattttct tgctccgtga 300
 ctctcttttc tgcattctaa agagacattt ggattgaatt gtggcctttt tttgctgttg 360
 ttgaatttct tttcagttac cctacagaca ctgataaaca catgctggct agtcaaacag 420

gtctttcac

<210> 1652
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1652

ttctctttcc catgtcaact atgcagcttg cgggtcaacat gaacggcctt cccaagatta 60
 caaggatgtc agtatcttca gagatatcca taaccacaaa gtctgctggg aagataaaat 120
 gttntaccct gaccaacact tcaatcactc cacatgacct ggtaatggag cggtcagcta 180
 attgcaaagt cattcgagtg ggcataatct ccaactctcc cagccttctg cacatggaga 240
 gtggcatcaa attaatagtg gcttccagat caatcat 277

<210> 1653
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1653

agaacgcatg aacganaatg cttttcatgg tgctccgaan aagggttgag gatggagaat 60
 cgcaactaaga aatcactacg catggctcca aactcgtggg tggaggacgc atgaacgaaa 120
 acgcaattca tggggctccg aaaaagggtt gaggatggag aatcacacta agcaatcact 180
 acgcatggct ccaaactcgt ggggtggagga cgcataaaca aaaacgcatt tcatggggct 240
 ccgaanaagg gttgagaatg gagaattaca ctaagcaatc actacgcatg gctccaaact 300
 cgtgggtgga gggcgcatac acgaaaacgc aattcat 337

<210> 1654
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1654

agcttatgga gtagataaac aaaagcttgt tgaggagatt actcgtgcct atgcccacca 60

aatatatatt gatggattnt tcaatgggtga tectcatcca ggtactctct ctctctctcc 120
 ctctacgttt gtgcttatgt atgcatgtgc atatgatgta acacttccga ttgttccatg 180
 tgctcatgaa ctattttggc tctcttactg gaatcatcat aggaaatttt cttgtgagca 240
 aggaatctcc acatcgctct attttacttg actttggcct tacaagaaa ctatcaagca 300
 ccattaagca agcacttgca aagatgtttt tggcttctgc tgaggtnntgg tttggctttt 360
 gtgcttttca tgattatgtg gatactaata acatcatata 400

<210> 1655
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1655

tatagaatat ataataaag aacagtgact attgaagagt ctatacatgt ttcctttgat 60
 gagcctaatt ccattcttgc aaggaaggat tatttagatg atatttcaga ttccttagaa 120
 gatacacata ttcattggaaa tgactctaaa gaaaagatg aacgaagcaa tgaggattct 180
 caagataatg gggctagagg aaataatgaa cttccaagag aatggaaagc ctcaagagat 240
 catecnctcg acaacattat tggatgata tcagaagggg tcacaactag acattctctt 300
 atagatttat gcaagaatat ggctcttgta tctatgattg aacctaacia tatgggagaa 360
 gtcatagtag atgataactg ga 382

<210> 1656
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 1656

tcccggcaac attgtttgta ttaatgaatt caacattatc cttgaatata agtaaactgt 60
 tttgcttctc tgcagcatcc ttatatacct tcccatattt cttcatccac tgctcatgtc 120
 tttcggacat ggatgctca tggaggttgc gggacattac ttgggaagtg cacattgaga 180
 gaaggagcac aagagctaaa atgtgctgct ttttgcccat ggaacccatg tcttttctca 240
 acaatgtatc aa 252

<210> 1657
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1657

acactatgat actcagctta ccactgtccg gttactcctt gcccttggtg ctcttcataa 60
 ctggcacctt caacaattgg atgtaaaca tgctttcctt catggngatc ttaacgaaga 120
 ggtttatatg aagcttcctc caggacttat tgtggataat cccaaccttg tttgtcgctt 180
 ttagcattcc ttatatgggc tcaaacaagc cagtcgctaa tggttcacac ggctctcgtc 240
 atttcttctc tcccacagat tccgacgac ttcagcagat cactcgttta tatatactct 300
 gataatgacc at 312

<210> 1658
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1658

agcttgtaat tttcttattg cctttgcttg ttattacatg gttnttatag aattcctaatt 60
 atggaataat cctaggaata ttacaataac cgttttattg ataagaattg ctacgcagga 120
 tcacaattcc aagcaaggcg atctgggaaa ggatttgcag aagcttctgt tttggcagga 180
 ttcttcaaac gaagtcgtga aggtaagtgg gcctcttcac cttacgtttg ggctttactt 240
 cgttatgcac cccctgtttt gtaattccca cctccgagct catctaagag ctcatctatt 300
 gtgggaattg ngaactggtc ttggaccatg acagcattga gggccctgta gtccatacag 360
 aaccttcagc tcccatcatg tttccttaca aggaggacga gtgaggagaa agggcttgta 420
 ctangttgga tcaatccttt ttgaagcatg a 451

<210> 1659
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1659

gctatgctgc ntatattaca atagaacttc cttcacctca gcagcanaat caaccacagc 60
 agaacaatta tgacctctcc agcaacaaat acaaccctgg atggaggaat caccctaatac 120
 tcagatgggc tagccctcag caataacaac agcagcctgc tccttccttc caaaatgttg 180
 ctggcccaag cagaccatac attcctccac caatccaaca acagcaacag cccctgaaac 240
 agccaacagt tgaggctcct ccacaacctt cctcgaaga acttgtgagg caaatgacta 300
 tgcagaacat gcagtttcaa caagagacca gagcttccat ttagagcttg actaatcaga 360
 tgggacaatt agctacacaa ttgaatcaac aacagtccca gaattctgac aagctacctt 420
 ctcaagct 428

<210> 1660
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 1660

acagcagaat aattatgacc gttcgagcta ctgatacggg ccatgatgga ggaattatcc 60
 taaactaaga tggactagtt ctttacaaca acatcaacct gtccctccgt tccagaatgt 120
 tgctagtaca agcaagcctt atgttctctc tacaatgcag caacaacagc tgttctctca 180
 tagactacag gcaactgagg ctctactca acctactta taagagtgcg cgaggcaagt 240
 gaccatccat aatatgcaat tttagcgaga gacatgagcc tccgttcaga gactgac 297

<210> 1661
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1661

agctnttcaa agccaatttc atcagagaag tcaggctactc tacttgactc gccatcgctc 60
 tcatgggtcaa aatggccaat ggcaagtggc gaatgtgcac caactacacg tatcttaaca 120
 agctagtgtga tggagcgtcc gagttccaag tactgagctt cctggatgcc tacacatgat 180
 acaattagat ccggatgcat gccctacatg aagagaaaat gacattcadc tttgaagatg 240
 ccaacttctg ttatagggtc atgccctttg gcctataaca tgtaagcact acatactaga 300
 gagtgatgga ccatanatt caatagcaaa ttggatgaaa tgctgaggtc tgcgtcaatg 360

acatggtcacat caaatcacat accactagcc cacatgtg

398

<210> 1662
<211> 429
<212> DNA
<213> Glycine max

<400> 1662

tatacagata tacatat tttt ccagcaacat cttgatggct ctattcaata caacatacat 60
cacatggaaa tattagatta cagccagaca caatgcatag atgctactgt gttgggtgct 120
ttgctacatt gccacatgat tttctggtac aagaactggt tggaggggat caaattcaat 180
aaagaatgtc cgaalcttca tcggagcaag ttcaaccacc aacttcgtag gatcaacagg 240
tcctcctctc accaccttcg gctcttcaga ggagccttct accttccaat ctagcttctc 300
cttttccatt tgagctcttt cttgattagc agacaaactc atctctgtca ctttattgat 360
ctgaaaagat tgagtagtca aaaggaaact atacatgagt acatgatgtg tgaaaaatac 420
taacttgga 429

<210> 1663
<211> 180
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1663

gaggttntga ttgatcaaaa agaagaanct acttcatacc gatatgccct taggcacggc 60
aatacataac atagaaatca canctcgaaa ggggtggacca atagctagag cagcaggtgc 120
tgtagcgaaa ctaattgcaa aagaggggaa atcggccaca ttagaattac cttctgggga 180

<210> 1664
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1664

cttgtgtgta aagagtcaca acttanaatt cttttttcaa gtctaaagag tcacaactct 60
ttagaaaaat aattttgtaa tcaattacac cattttaata atcaattatc agtaagggaat 120

tttcaaaaat aactcccaac agtcacatct attcaaagt ttttgaatgg ccatcaaagg 180
 cttatatata ggtgacttgg gacacaaaat ttctcaagag tttttactgc acaaagagtc 240
 tcatectctc aaaaactaaa ttatcttate ctctaaaaca ttctttggcc aaacacttgc 300
 aaattcaata aggaatcttg agtgatcttc aattggtata tctttatctt anaagagaga 360
 attcttcttc ttctcttctt tattcaaaga gattgattaa gggaccgaga gtctcttgaa 420
 gttgtaaaaa ttcttgacac 440

<210> 1665
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1665

gctacacaaa tcngtctaa tagctaagct ccccccatg cgcaaaaata catgaaaata 60
 aaaaaaaagc tectactaca aagactaccc aaaatgccct gaaatacaag gcttaaacc 120
 tataatacaa gaatggccaa aatacaaggc ctaaaagaag gaaaaaccta ttctaata 180
 tacaagata agtgggctca tacttagccc atgggctcga aatctaccct aaggctcatg 240
 agaaccctag ggccttcctt tggatctctg gcccaattta cttagagtct tctatccaat 300
 gcccttaciaa ggtagaattg catcagtagg gtcgggtctg cttaccctca acgatca 357

<210> 1666
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1666

taatatcacc aggaactatc acattaacia aatcacagcc tctaagattt cgacanatta 60
 ttaggtagcc ttgaagcatt atgtttttat gattctaate taccattctc tntatatata 120
 atacataact atatctttta atttgtaatt tatttataat attcaattat gttatgtaaa 180
 aaaatagtta aaataattaa cattataatg attttagact atctaataat ttctagtaag 240
 attttaatgt ataacanacc tggaagcaca gaaggctacc acataatccg tcccagaaca 300
 agtgaaaata ctagttggat catcataag 329

<210> 1667
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1667

acttaagtga ttattttata attttaatag ataaatgact aaattatcag ttaanaataa 60
 aagttaaaga accaaatgag taatntaatc aaataattgt gatgtttgac aacactcaca 120
 agacttatat attgtaattn tgataattca ttaagatata atggataata ttaattcttc 180
 tcaacttttg cattaaaaca ttctcactaa ttatttaatc ttttcttttt aacataaaaag 240
 gcaaaacctc gctagataga gagagaggac ttaaatttgt gttgataaaa tttactgtga 300
 agcttattaa aatatttata aaaatcataa atcattttta caagcttaac aaaatacata 360
 ctcattatta ctataatcaa ataagtttca taaaaactcc 400

<210> 1668
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1668

agcttccact tgantaatct taaccattgt tttttttcaa ataatatctc atcaatttgg 60
 tgactagccc atccatttgt gtagttttct cggcaggatc tggctcttgag gtatctatgt 120
 ccaaaaaaca ccaccagggg aagtttcact tatggcattt tctaattctt caattccaat 180
 taaatggaaa aatagtttgg ttgatagctt atcatattag ttgaaatgct tagtttgcag 240
 gaattcttcc ttgtttctat tnttgaacct aatgatctgc gttggcagat gctgtgatcc 300
 ccatcacttg cttcatactg gtgtgtttgg ttgcactaca acactatgga acacataggg 360
 tgggattctt tt 372

<210> 1669
 <211> 269
 <212> DNA
 <213> Glycine max

<400> 1669

ataataaccg gaagtgaac gatataagga cctagagcag attggactga ggaagacaga 60
agattactac aatataatTT aaaggccaaa aatattatta catctgcctt aggaatagat 120
gaatacttta gggtttcaaa ttgtaaaagt gctaaggata tgtgggatac aatacaagta 180
acacatgaag gcacaacaga tgttaaaaga tctacggata acactctaac ttcgtgatat 240
gaactttttac gatgaatgta ataaaagta 269

<210> 1670
<211> 206
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1670

cttttttctt cgcagcaaT caaccacngc ttaacaatta tgacctcttc agctacagat 60
accacctgg atggaggaat caccctaate ttaaattggc cagccctcag caacaacaac 120
agcaggctgc ttctttcttt caaaatgctg ctggcccaag cagaccatac attcctccac 180
caatccaaca acagcaacaa ccccg 206

<210> 1671
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1671

agcttttata cggagtttaa agataaatac atatatttt atagaaaagt caaacttctc 60
tctttttaaa atgcatatcc cttaaanatg cttgagaaat aataatgtta ttaaattagtt 120
atagttatga aaaattatta aggacaaaat ttagatacca attgttaagt gcttttagag 180
atattttga ataatttggc ataataaaat ttatattaaa tattactctt ttcggttcta 240
tttataagac tcaattactt aatttagtta gattaaggag agtgattagt ttagttgata 300
ataagaaata tgttcaagat catattcttt ttctaaaac taccattgtc ta 352

<210> 1672
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 1672

agctngaaga ccccataagg ctcttattgt ttatggtgca gcaactatct tcattatctt 60
 ccagtaatct ccttcctaag aatgctgtca cacacctgat tggccctcta tggcccacta 120
 gaactgccag acacgtgtgt ngaccatctt gttctctagc ccaaaccctg ctggttgagt 180
 cagccgagcc actcactaca tatttggcca cacttgccag acacaacact gcatgcggtgt 240
 gcccttggat ggagccaccg tattgtaact gccccgcana ccaacccttg tgccagtagt 300
 gtatgtagcc atcagt 316

<210> 1673
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1673

cgcgctntca tatctaatat tacaacttgg tctaagaact ctattaccta tcttgtcctg 60
 acaacaggtt gggatttttg agatagcccc atccaagcag tcattgcagt ctttctcaga 120
 caagtcaggg gtgcactctg ccataccata tatggtctga aaacttgaag cagttacatt 180
 atccgtggca tacttacgac gagagtcacc cgatgcggtt acaccttga ggtttctcat 240
 taagttcgcc agagcttgac tgaacttatc cggttccggt acattgttta tgttcatcaa 300
 ggattggcta ggttcaattt ccatgatgcc aaatatcgag cgggggtgagt agcgcaacat 360
 gcatttgcta gtgttcaacc acagaagtgc ctctttctgg tttggacaaa actgtttaat 420
 tgtgactctg gaatcattga ggcaactgcg gcactcatgt ggctcaacat c 471

<210> 1674
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1674

acctgtctga gcaatcttat gttctgggtc tcaccttcat atcctctnga ctttctccca 60
 ttacctgcaa gcaaacattg tgttctggag taggcttgct ttccacagac aagtcgaaat 120

caatTTTTgg gtcttcaaaa cctaactcca gctttctctt ccccatgtca actatgcagc 180
 ttgcgggtcaa catgaacggc cttcccaaga ttacaaggat gtcagtatct tcagagatat 240
 ccataaccac aaagtctgct gggaagataa aatgttttac cctgaccaac acttcaatca 300
 ctccacatga cctggtgatg gagcgggtcag ctaattgcaa agtcattcga gtgggcataa 360
 tctncaacta ctccagcctt ctgcacatgg agagtggcat caaattaatg ttggctccca 420
 gatcaatcat agcctcttcc acattttac 448

<210> 1675
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1675

tcaccattag tgacgggaac cttactcttt cttatggagg ccactataac ctgacacatg 60
 cgagtgaggg ggctaccacc gggcttctga atccgataca gactcgtacc ggataagaag 120
 ctcaccacag caattgccat ggccactgct ggaaagacaa atccccaccc ccaacttaca 180
 gtagtaagga cccacaccac caaagaagca gcaacgcgac caccactatt tattgacaag 240
 cagaaccact ngaagaaaga gctcttgtgc tcnctctcag cttcatcagc atcacaaatt 300
 gagtgcacca aagaagagac acaagc 326

<210> 1676
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1676

actaagcttt accttttagtt taacccttag aacttcccgg ccaaattggt atatataaag 60
 caatgttgat gttcaaagga cactttacat gcctttntaa tcaactgacc tacgcttagc 120
 aagttctggg caatgttagg tacataaaga acatctgata ttaatttgat acctgaacac 180
 gttgaaattg caacagttcc ttttcctttt ataggaatat agccaccatt cccaattctg 240
 acctttgaga cattagttgg cttcaaatec ttgaataaag tcttatcata tgtcatgtgg 300
 ttcgtacaac cactatcaat caaccaactt tcacttgatt cactactcaa ggltgataat 360

ttttcttttt atccttacct ttgatatgga tgattgcact attttcgctg cttgctggct 420
 ggatcttcta gaanaaatgc tttntgcttt catcaacttc atgat 465

<210> 1677
 <211> 624
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1677

ttctccacta agttgcctga tgctgaaat gtcttttctg atggcagcgg tcctagatgc 60
 aggaagaat ttctccatga acacctctt aaggtcattc cagctgaaaa tggacctagg 120
 agcaaggtag tatagccaat cttttgtcac tccctctaga gaatgaggaa aatccttttag 180
 aaagatatga tcttctgga cattaggggg cttcatggtg gaacaaaaaa tatggaactc 240
 ctttaagatgc ttataaggat cttcacctgc aagaccacga aacttgggca gcaaatgtat 300
 tagtccagtc ttgagaacat atggaacacc ctcatcagga tattgaatgc acaagctttc 360
 ataagtgaat tcaagtgcac ccatctctct aagagtcctt tcacgagggtg gaggttgagc 420
 catgtttctca gtatgaaaat tagcagcggga atgttcaaaa tcacaatatt cagaatcacc 480
 ctcaacagaa tgctcaaaat gcacataatg accaggatgc aactatgcc taactaatct 540
 atgaaagggt ctatctattn tatgatcaaa gggttgtaaa tcacctagat tgcccctagt 600
 catgcactat atgcagcaaa tagt 624

<210> 1678
 <211> 563
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1678

tcttatccaa ggcaattctt ggtggtgaag ctcttcttc cttggcttat tccttagtgg 60
 atggtgcctc cctatctc ttctcctttg cttccgctg catctccatg gtgaaaaatc 120
 accattgaag gacctcattg aagctcaaag atccagcctc catagaagct ccacaagcaa 180
 gcttccatca cttttcacac agaggtcaga ttccgggcaca taatatgtcg agatgctcgg 240
 aattgaacca cggaagctct cgagtaattc aaatggtcat aacttttcac acagatgtcc 300

gattcgggcg cataatatgt cgagtagctc gaaattgaac aacggaagct gtcgagaaat 360
tcaaattgggc atactttttc acacctgcct cacattcngg cacataatat gttgagatgc 420
tcggaagtga accacgaaag ctctcgagaa actcaaattg tcataacttt tcacacggat 480
gtccgattca ggcgtatcac atatacagac gtcgaaatt gaacaacgaa agctctcgag 540
aaatacaaat ggtcataact ttt 563

<210> 1679
<211> 402
<212> DNA
<213> Glycine max

<400> 1679
agcttgaatc ggacctgagt gtgaaaagtt atgaccatct gaatttctcg aaagctttcg 60
ttgttcaatg tcgagcatct cgacatatta tgcgctcgaa tcgaacatcc gagtgaaaag 120
atatgaccat ttgagtttct cgagagcttc cgtggttcaa ttccgagcat ctcgacatat 180
tatgtgcccg aatctgacct tcgtgtgaaa agttatgacc atttgaattt ctcgagagct 240
tccgatgttt aatttcgagc gtctcaatat attgaaagcc tgaatcggac ctcaagtgtga 300
aaagttatga ccatttgtat ttctcgaaag ccttccttgg ttaaattccg agcatctcga 360
caatatatgt gcccgaaatct gcctttgggt gaaaagtatg ac 402

<210> 1680
<211> 599
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1680

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ttaggataca gtagaacatg aaagtttgta tttagagtc aa gttgcgaact caactcattt 120
ctagactttt ttttttctga attctcattt agtgtcaact atccctactc taattttatt 180
tattatgttt taatatttaa tggtctatac tttttagat ttaatttatt gttttaaata 240
tactatagca atgtgtgtgc gcacacgaat ttatgcattt ttaggtttgg tgtatatttt 300
ttatcaacaa ttattaatat acctcctcta attgtttact ttttttttaa tcccaaattc 360
aaaagctagc ctccataatt ctatattggg ttatccgatt ttaacctttg caatcatatt 420

ttattgtatt ctcaatgtcc cttggtccat atgtctctca attgaacacg agagtaagaa 480
 tgtgttattc tcgtaaagtt atgatcattg attcttttat acttgagtga aagagtaaac 540
 acaaatatgt canatatcac atattggtat gcatggtcac acatatttca tgttctact 599

<210> 1681
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 1681

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 aaagtatatga ccatttgaat ttctcgagag cttccggttg tgaattagga gcgtatcgat 120
 atattatgtg ccggaatcgg acatccgagt taaaagttat gaccgtttga atttcttatt 180
 agcttccgtt gttcaatgtc gaccatctcg atgtattatg cgctgaatc tgacatccga 240
 gttaaaaggg atgaccattt gaatttcacg agcgcttcca ttgtgcaatt tatagcgtct 300
 ctatatatta tgcgcgtgag tctgacattc gagtttaaag tgatgaccat ctgaatttg 359

<210> 1682
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 1682

agcttataag aaattcaaact ggtcataact tttaactcgg atgtccgact ctggcgcata 60
 atatatcgag acgctcgaaa ttgagcaacg gaagcagttg agaaattcag atggtcataa 120
 cttttcacac ggacgtcaaa ttcaggcgca taatatctag agacgctaaa aattgaacaa 180
 cggatgcctt cgaggaatac aaatgggtgat agcttttaac tccgatgtta aagtcatgcg 240
 cataatatat tgagacgctc gaaattgaac aacggagggt ctccataaat tcaaattggc 300
 atgacttttc actcggagggt cagaatcgag gacataattt atgg 344

<210> 1683
 <211> 582
 <212> DNA
 <213> Glycine max

<400> 1683

agcttggttac tggtttgctt ctctgcaatg gggttgtata aatgatgaaa tgcttataga 60
 aggccttttct tgcttttttg tccttgatac ataattaggt tggcaagaat cttcatgttc 120
 tcagtcagat agaggggtgtt gacctagata tgtacaaaga tgttggtgctt cccagagtac 180
 tggagcaggt ctaattgctt tattgtttct atttctaata atcaaagaca tggttaactt 240
 tctaaccata aaaaaaacg attccttttc ctcaattata atgggcaggt tgtgaattgc 300
 aaagatgagt tagctcagtt ctacttgatg gattgtataa ttcaagtctt ccctgatgag 360
 tatcacttgc aaactcttga tgttttggtg ggtgcttacc cccaacttca agtcagtga 420
 cttgcacatt tttttgtatt acttctggag gatgccttaa tgtatatatg ttttttctca 480
 ctccgaaaca tgaaaattca ggltagtga cttgcacagt tttgttttac taatataata 540
 atattatatt ttattgggaa aaagcccaaa ttaaatattg aa 582

<210> 1684
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 1684

agcttcatgt agctttttct agaagcttca ttaagaggct tcctccagaa gcttctctgt 60
 ggcttctttg agaagcttcc tcaagaggct tctttgagaa gctagatcct tatctatcca 120
 caccctcta ttaactaaat taacttctt aaaaataatt accgatgaaa ataacgcaac 180
 aaatattcaa acatcaaaca taattactaa tagtatatag atatatatat atcaggggtgt 240
 tacaactctc ccaccctttt agaaatttcg tcctcgaaat ttaccttact caaacaagga 300
 tgggtgagct tctcacatct gactttctaa ttcccatgtg gcattcttctc ctgatgcacc 360
 tccccagatc accttgacca acagaatctc tttccctc 398

<210> 1685
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 1685

agcttgaagg caaactggat gcattgggta acttggtaac ccacctggcc ttgaatcaga 60
 aatctgtacc tgtcccaagg gtttgtgggt tgtgctcctt tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcacc tgaagcttat gctgcaaata 180
 tttacaatag acctcctcaa cctcagcagc taaatcaacc acaacagagc aattatgacc 240
 tcttcagcaa cagatacaac ccttgatgg aggaaatacc ctaacctcag atgggtccagc 300
 cct 303

<210> 1686
 <211> 663
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1686

tgaaggtagg agaagatgag tggagggaga gggagtgaag aggcacgaaa ttttatgcct 60
 caaatgaggt ctgaactttg aagtgtatt ctcaaatgat caaagttaca acaagtgtta 120
 cacatgcttc catatatagc ctaggtagct tctttgagaa gcttccttga gaaacttct 180
 tgagaagctt ctttgagaag ctctcttgag aagctagagc ttagctacaa acacccctca 240
 aataactaag ctgcctcct tgagaaaatt cctagagaag ctagagctta gctacacaca 300
 cccctctaata agctaagctc acctccttga gatgagaagc tagagcttag ctacacacac 360
 tttctataat agctaagtcg tcatattccc acatggnttc ttcttctcca attntcaaca 420
 aatatattca agggaaatga aacaccggaa agcataccgg gtcatcaagt atttaaaatt 480
 aaaacagagt gatccgagta tcgaacttag ggaacttgct tattagacaa agttttatta 540
 acgagtaagg cattgttgga acacacattg acaattgatg ggtaaaaaca gaaataaact 600
 aattctatgg taagaataat aatgcaagt aagttaaagt tgacaacaac aggtaaaaag 660
 tgt 663

<210> 1687
 <211> 557
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1687

ttggagtctc caagtgccaa ttcgtcttct tctttagctc agtcttcttc tggcttcaat 60
 tcattagagg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120

gctttccagg ttctgctatc cagtgatttg aggaaggcca ccatccttgc tttccagtat 180
 tcatagttgg ttccatccag aataggtggc ctgttctactg gtcctccttc tttctccatg 240
 ttcatcagaa tttatctccc tagatctcac tcagtgattt cgagtgccag ctctgatacc 300
 aattgaaatt ctgatactgg ggacagatgt cgtacaggat gtcacgacat cacgcttcag 360
 aacatgcaga ttatagttga cagtgtggac agtttaaaca agaagataac acaagagatt 420
 ngttaaccca gttcgggtgca accttaccta catctggggg ctaccaagcc agggaggaaa 480
 tccactaaaa tagtgtagt tcaaggtcta acagccactg tttacaacct tctcacctaa 540
 ccactaccgc tgcgatc 557

<210> 1688
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 1688

agctttaaga ctattcacat aagttaacaa gaagcaataa aggatcaact gtgaaaatga 60
 attgcattcc catacctaga tcttctccac aattccttcg aatttatata tgcttagatg 120
 catgcaagaa aggattcaag gctaactgca aaccttttat tggctctgat ggttgtttcg 180
 taaaagggtg ctatggcggc catttgcttg caacagtggg acaagatgca aacaatgcct 240
 tttttgtgat tgcatatgcg gcagtaaata ttgaagataa agataactgg aagtggttcc 300
 tcactttgtt acctgaagac ataggagact acaagcaata tggctggaat ttcattgtcag 360
 acatccaaaa ggtgccatta aatataaaaa gttgatttca tgcttgcattg ggataatttt 420
 gttgtcatgc tagcaatatg 440

<210> 1689
 <211> 709
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1689

ttgagccaaa atcctgactc accataaacc ttgaccagg gtgagaatgt caatccttac 60
 cctcggaagc aaaaaaggaa tagaaggga atttccaatc aaagaaaaag agaaggaaaa 120

tttccaatga aagcaaaaaa agaaaggaag ggaaatttcc aatcaaagaa aaaaagaag 180
 aaaattcccc aatcaaagag tgggagaaag caaaaagaaa agaaaggaaa ttcccaatca 240
 aagaatggga gaaagtaaaa aaggaagaag aagaaggaaa gaaagccctg atcggggatc 300
 gaaggaaaaa acagaagaaa tatgcagaga ggtcttttga ccggacaata tctgaacaat 360
 acagaattgt caccaaatga aaaaaaaga aggaaggaa accacgacct aaaatggtct 420
 tctcccttta attaccaacc aaaatcccg tgcgtagcga cccttttttt ttctcgcccc 480
 gcactagaca aaaaaaacg gaaaaagaa aaaaagccag aaaaatcaa agccaaaaac 540
 acacaaaagc cgaaaaacc accaaaagaa cccattccca aggaagccc tattgatcca 600
 tgatcacgca tgtaatnttt gatttgatag gaagtaattt gcanagtcaa gtcatgacat 660
 atctatggnt cngaattang atgaaacact tacctgtgcg agattgata 709

<210> 1690
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 1690

agcttgccct gcccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60
 ttgggataaa ggtagtgatg gcatgttttc aaagcccgt aacacgcata caactcctta 120
 tcataaattg aatagttaaa ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacattag aagcatcaca ctcaatttca 240
 aaagattttt gaaagtgttg caacgcaagt atgggggcat tagttagctt ttgcttaaaa 300
 acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360
 tcattgagag gtgctgccc tgtgctaaaa tccctctatt aaaacttgc 409

<210> 1691
 <211> 584
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1691

ttttgagaga ttaaatttac cttatagaga gtattttgtg aatttgactg cataacaaat 60
 taaaagtaaa acaataaata ttttaatgat atgagacact taaagaatta aaattaatca 120

aaatatttaa caagaataaa agtgtatttt attaatgtta ggagtaattt tacaaaaatg 180
 cgtaattttt tttatcttaa taaattagtt aattgggtct taaaaattca gcaagagtaa 240
 aaataataat aattnatact tcttccttct ctttttctat ttataagaca tttcttaaaa 300
 agactatttg tacttttata taatactttt ttcaaaaaaa attattaatt attttttaac 360
 ccanatatat ttattcattt tctcctgaac gccatanagt aactaaatac attctttttt 420
 cttctctcgt aaaaaccaca caacatgact gaaacatatt aattccttac gcaaaaatta 480
 agatttgctc tgcattatat atttgagtgt agattttagt gaacatatcc aattttggga 540
 cgaacacatc atacgtcaag aattataaaa aaaataatgt attt 584

<210> 1692
 <211> 552
 <212> DNA
 <213> Glycine max

<400> 1692
 agcttccatt ttcaattgcg agcatctcga tatattacgg gactcaatcg tacattcgag 60
 taaaaagtta ttgttgtttg aatatgctca catcttcagt attcaatttc gagcgtctca 120
 atatattaag ggacttaatc ggacatccga gttaaaagtt attgtcgttt gcatttgcta 180
 cgagcttccg ttttcaatta cgagcgtctc gatattattac gggactcaat gcaacctccg 240
 acttcaaagt tattgtcatt tgaatttgct acgggctttc gttttaaatt tctagtgtct 300
 tgatatatta cgggacttaa tcgaacattc tagttaaaag ttattgtcgt cagcatttgc 360
 tcagagcttt cgtttcaaag acgagtgttt cgatatgtta cgggactcat ccgaattaaa 420
 aagtattggc gtttgaattt gctacgagct tttgtattca acttaaagcg tcttgattat 480
 gttacgggac tcaatcgaac atccgagtaa aaggatatatt gggttggatt tgctacaagc 540
 ttccattttc aa 552

<210> 1693
 <211> 640
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1693

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 aagaatctca cattgggttaa taagggttgg cctcaaaagc ttgattttaa aatgattata 120
 taaagcttta aaagatgttt taccagcaca aaaataagtt tttttgcact ggtaatcgat 180
 taccaagtat tgtaatcggg taccagagac aaattacata aaaatatattc tagaaggatt 240
 ttgaaatttg aatttcaaatt gttgtaatcg attaccactt gtctgtaatt gattatcagt 300
 gacaaaactt cataagttaa ctttgaaaag tcatgacctt caaaacataa ctgtgtaatc 360
 gattatcaag acattgtaat cgattaccag tgagagaatt tttgtaaaat attctgaaaa 420
 gtcacatctc ttcaaaagtt tttgaaaagc caccaaggac atataaatat gtgacttgtc 480
 tatgaaaata tntagagttt tctgatgcaa tctaccccc acaagggcat tagatagaag 540
 actccaagta gatcgggcta gagatgcaag agaagcccta tggttctcat ggccttang 600
 gtagaattca agcccatggg ctaagtatga ctccacttta 640

<210> 1694
 <211> 649
 <212> DNA
 <213> Glycine max

<400> 1694
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 taactatcta aattcttatt ttatattatc agatagtctt tttggggata gacaacatcc 120
 atgcgatgag agagagcttt gttcgggtcc gagaatacat ggacactcat ggaagaacgt 180
 catcagatgg aatgtcctct tttttggtta gtccgtgaat gttaaaacaa aatgtaatta 240
 tcatttttca ggtagtgtaa atttatttgg ttcttatata gacctgcaca atatttatgt 300
 tttagtcctt acaccttaaa attaaaaact acttgtttta gtccaatac atacactttt 360
 taagtcgctt aatccctata gcttctgcgt gacagggatt aaaacgggtt aaaaaatgta 420
 tgtgtaggga ctacaacgag tagcttctag gtgtaggaac taaaacatac atatggtgca 480
 taggtataag gacccaatga gtaattaaat ctttattttt taatagtata tatttgatat 540
 ttgaagagtg atactactat tagctgtata atgacacttg tagattagat atttaatctt 600
 tcttcagat gcttaatata tatcttaata ttatttaata cttttttct 649

<210> 1695

<211> 583
 <212> DNA
 <213> Glycine max

<400> 1695

tatgaccatt cgaatttctc aagagtttcc gttgttcaat ttcgagcgtg tagatgagtt 60
 atgtccccga atcggacatc tgtgtgaaaa gttatgacca ttcgatttctc tcgagagcgtt 120
 ccgttgttca atttcgagcg tctcgatata ttatgacccc gaatcggaca tctgtgtgaa 180
 aacgtatgac cattcgattt tctcgagagc ttccgttggt caatttcgag cgtctagatg 240
 agttatgtcc ccgaatcggg cattcgagtg aaaacttatg accattcgaa tttctcgaga 300
 gcttccgttg ttcaatttcg agcgtctcga tatattatgt ccccgaatcg ggcattccgag 360
 tgaaaagtta tgaccatgcg attttctcga gagcttccgc tgttcaattt cgagcgtctc 420
 gatatattat gtccccgaat cggacattcg tgtgaaaact tatgaccatt cggatttctc 480
 gagagctctt cttgttcaat atcgagcgtg tagatgagtt atgtcctcga atcggacatc 540
 tgtgtgaaaa gttatgacct tctattttat cgagagcttc cgc 583

<210> 1696
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 1696

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 gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gaggggaatga 120
 tagtgttcct aaacaaaacc gaattgatgg tattaactc aacattcctc catttaaagg 180
 aaagaatgat ccggaagcct acgttgagtg ggagatgaaa atagagcatg ttttctcatg 240
 caacaactat gaggaggacc agaagggtgaa gcttgccgcc acggagtttt ccgactatgc 300
 tcttgtgtgg tggaacaagc ttccaaagga gagagccaga aatgaagagc caatgggttga 360
 ta 362

<210> 1697
 <211> 605
 <212> DNA
 <213> Glycine max

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gtatatttct taatactcat aaaattctgg ctcaagtttc aattctcact ttcacggagg	120
taagatccta aattccaaat caatttatgg attatttgat ttttaattgaa tcattgtgct	180
tatacaaaca ccactcata ttatgggtta ataatttgat tcatttttac ggggtgttga	240
agtagattat ggatgcaagg aagggtgtct atgaaatgcc tgaaagaact attgtttctt	300
agaactcggg tatgactgct tgtgttgaga gtctttcatt gngtgatggg attgagtatt	360
tttttaggat gtgggggttg gcgtttgagc ctaatgagac ttccatgggt gtgttggtgc	420
tctctacttg tgtttctcaa gctccatcca tttctatttc ttttttatta attactaata	480
atactatata tgctattgta attgtattaa taatgagtca ttaataatac tatatantgt	540
atggctacta tatatggcta ttactngtag ttgaattcaa tgacttattt tctgatctcc	600
gatgc	605

<210>	1698
<211>	675
<212>	DNA
<213>	Glycine max

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<400>      1698
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taagatccta aattccaaat caatttatgg attatttgat ttaattgaa tcattgtgct      180
tatacaaaca ccactcata ttatgggtta ataattgat tcatttttac ggggtgttga      240
agtggattat ggatgcaagg aagggtgtct atgaaatgcc tgaaagaact attgtttctt      300
agaactcggg tatgactgct tgtgttgaga gtctttcatt gggatgatggg attgagtatt      360
tttttaggat gtgggggtgt gggtttgagc ctaatgagac ttccatgggt gtgttggtgc      420
tctctacttg tgttcttcaa gctccatcca tttctatttc tttttatta ttactaata      480
atactatata tgctattgta attgtattta ataatgagtc attaataata ctatatatgt      540
tattgctata ttatattgct attacttgta gttgaattca atgacttatt tctgatctcc      600
gatgcttata ataatggtag agatacaatg tatttgcctt ataaaccttt gggttatatta      660

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ctctatggat tttaa

<210> 1699
 <211> 722
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1699

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 aaataaacta tgaaagtaag caagaaatta aagtgaaga aatgtaaact aggcggatcc 120
 taagagtgtt tggatgacct catttaaggt ttccaacaaa atactcacta tcctaaagaa 180
 aaattgccta aaagtattac acacaaatgg aagtaggggtg acctattgga ggctcccaac 240
 ttacttccaa tgaaaggcct ttttgttata aaatttgaaa gcaatgaagg taagtaaatt 300
 ctcaattaaa aaaattacaa aaaggttctc aatttttggt gattgttctc tctttggtga 360
 ttcactcaat ttggagtgtt tcttagtcca atagctctta aggttgtttt ccccttgctt 420
 cttgactcaa attcttcaag ggatgacacc aatcctcctt tccaattccc tatatggcaa 480
 ctcacaaaca aggaacaaaa gagacaagca ataaccaaag acccaaaaaa tgaaatgaaa 540
 gctaaaccaa tagagtttta acaagacaaa ttttcaggaa tttttcaaca attaaagcac 600
 ataaaagaaa gctaggactc anagagaaac ttagaatgac tctagagtag agtanaanaa 660
 acccaaatta aaaagactca ngaaacctcc tagttttgga acttgttttt cacactaatt 720
 tt 722

<210> 1700
 <211> 529
 <212> DNA
 <213> Glycine max

 <400> 1700

agcttataat aacatggcca tcattcacia actttgtata catgcatcta ttagcatcac 60
 tactagaaaa accatcaaca agtaaagtct cattaaactt ttcattgcat tgtttaggaa 120
 cttgttttaa accatatagg gatttcaaaa gtttgacat tttgttctct tgaccatcca 180
 ccacacaccc cttagggtga gtcatatata tctcttcgc taaatcacca ttcaagaaag 240

ttgtcttaac acccatctga tgaatcacta acttatggat tgtagctaag gctatcaaaa 300
 tcctaattgga ggaaatcctt gtaatagggtg caaagggtata aaaaaaatct atgttaggtt 360
 tctaagtaaa ccccttagca atcaaccttg ctatgtatctt atctataaaa tcatcacgat 420
 tatacttctt cttaaagatc catttacatc caataagatt tgcacctca aatagatata 480
 ctaaattcca tgtattattc tttttaataa aatcaatttc aatcctaatt 529

<210> 1701
 <211> 584
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1701

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 atcgagacgc tccaaactgt aaacggaagt tcgtaggaaa ttcaaacaac aatatctttt 120
 tactcggatg tctgattgaa tcgggtaatc tatcttgacg ctcaaaattg agactagaag 180
 ctctgagcaa attgaaacga tattaacttt atacacggat gtccggttga atcctgtaat 240
 atatcgagac gtcctcaaatt gaaaatggaa gctcttataa aattcaaacg acaataactt 300
 tataactcga tgtccggcag agtctcgtaa tatatcgaga tgctccaaat tgaagacgga 360
 tgctcgtatc aaattcaaac gacgataact ttntactcgg atgtccgatt gagtcccgtg 420
 atatatcgag aacttcacaa tttagatcca aagctctgag caaattttaa cgacaataac 480
 tttctacacg gatgttcagt tgagtcccgat gatatatcga gacgcttgaa attgaaaaag 540
 aagctcgtac caaatccaac gacaataagt tttactccga tgctc 584

<210> 1702
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 1702

agcttctagt ctcaattttg agcgtctcga tatattaccg gattcaatcg gacatccgag 60
 taaaaagtta ttgctgtttg aatttcttac gagcttctgt tttcaatttg gagcgtctcg 120
 atatattaca ggactcagcc ggacatcctt gtataaagtt attgtcaatt caattttctt 180
 agagcttcgg atcaaaaatt tgagcgtctc gatataattac gggactcatt cagacatccg 240

agtaaaaagt tattgtcggg tgaatttgat acgagcttcc gtttttaatt tggagcatct 300
 ctcgataaaa tacgacactc tgcggggcat ccgagtaaaa gttattggcg tgtgaatttt 360
 ctaagagttt ccgttttcaa tttgggagcg tctgata 397

<210> 1703
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 1703

agcttgtacg cgaaggcata tggctattac ttgcaaagtc ctattctgaa gccaagacta 60
 ctgcatgggt gaataaattg tgcattgctc gggtaactgc aataacttct tcgctgcttg 120
 acgattgttt tgtggaggca tccaatgctc taatgtcaca accaattact aaaggagcct 180
 atatatatgt atgtacaaaa aaaatgtact tattatgcaa aatatatttt tcttcaagca 240
 attctttata tggaaatgct taagcaacat gagttaaatt attagctaca agttacctta 300
 tctaatagcc atatgctgaa atgagcgcca tattcttctt gttgaatgcc tccattttca 360
 act 363

<210> 1704
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 1704

agcttgaaag tgtgtaacca accattttct cattgtagaa caccggaac gtgtatacta 60
 tcattgtgat catctttttc tctgtcattg aagggtccac ttgagctgct aagtcctctc 120
 acctctgggc gtattccttg aatgactcat gctctttttt acacatgttt tgtagttgag 180
 ttctatccgg agccgtatca taattgtact gatattgcct aacgaaggca accattaagt 240
 ccttccaaga atagactcgg gaaagtcca agttagtgtc ataccctaatt ttcgtccggg 300
 gattattact tgacgacatg caacctttga ttggcggttt caagatactt ggcccccttt 360
 gttgcacaat atgtaagtct tgagaccac cggagtcaaa aagaaccagg gtta 414

<210> 1705
 <211> 524

<212> DNA
<213> Glycine max

<400> 1705

agcttatgca gcaaataat acaatagacc tcctcaacct cagcagcaaa atcaaccaca 60
gcagagcaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacccctaa 120
cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttctt tccaaaatgc 180
tgctggccca agcaaaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
acagccaata gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaattgac 300
tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taaccaatca 360
gatgggacaa ttggctaccc aattgaatca acaacagtc cagaattctg acaagctgcc 420
ttctcaagct gtccaaaatc ccaaaaatgt tagtgccatt tcattgaggt cgggaaagca 480
atgtcaaaga cctcaaccg taacactgtc ctcatctgca aatg 524

<210> 1706
<211> 661
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1706

tgggtggaaa ctacaggtaa tcagatatga caatatgtga caaatttaat aagttctatg 60
aagatgcgga catagaacaa tagttgacag caccttattc tccttaacaa aatggcaccg 120
tagaaaggaa gaataggact attatggaga tggctaggtg tttgcttcat gaaaaagaat 180
tgccaaagag attttgggag gaagccgcaa atattgcagt tttcatgctt aacagactgc 240
caacaaaagc tttgcaaaag aagacaccat ttgaagcatg gtatggctat aaacctgagt 300
tgctcaatct gaagatatctt ggttggttgt gctttttctt acattcctcg ggtaagaag 360
gacaaactat acaagaaagc agaagctgta acctttgtag gctatagctt aatttcaaag 420
gcctacatga tctatttgcc acatcatgac aaagtaattg ttagcaagaa tatgagattc 480
ttggagctgg atagttggaa ctgggaagat gacaagaaga ttgaatntca gaaggagaat 540
gagaacatag acaagaacc tgccagagga acaagatcac tttttgatat ctatcanagg 600
tgtaatgttt ctctcatgga acctgcacga tatgaggagg ctacaccaat aaaaaatgga 660

t

<210> 1707
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 1707

agctttcaga aaatgtcaat gtcgagcata tactatTTTT cttccatggt tcagttgtat 60
 gtagcttgta tcttcttcac agatagggca tgcattgatg tctttaacac tgtatccact 120
 caaattcttg tatgccgaaa agccattaat gggaaaaaat agcattgcat gcaacttgga 180
 tgctcattt tgatacccat caaacatgac aatcccttg tcccataact ttgtcaagtc 240
 tttaatcaag ggactaagat aaacatcaat gtcttttctt aagtgtcttg ggcccaatat 300
 tatcataaac aatatcatgt attttcgctt catgcaca 338

<210> 1708
 <211> 592
 <212> DNA
 <213> Glycine max

<400> 1708

tgctacattg atgcatcttg gctacggaat cttcgatttg ggcacttaaa ttttgagggc 60
 ttaagtttgc tatcaaagga gaagatggta agaggactac cctatattaa tcacctgat 120
 caactctggt aaggatgttt acttggaag aaatttagaa tgatttttcc aaaggagtca 180
 aactcaagag ctaagaagcc acccgagcta atacatgtta acgtctgtgg gccaatcaag 240
 cccaagctc actacgtaaa aataaatatt tctctttttt cattgattat ttttcaagag 300
 aaacatgggt ctatttctta tagcaaaaat cataagtctt ttcaccttc aagaagttca 360
 aagctgcagt agataaagaa aattggtgag agatcaaagc cataaggact gatcgaggag 420
 gagaattcac ttgcaaaaag ttcaagagtt tgtgaagaga atgaattaga cgtccctga 480
 cagtctaaga cccccaatag atagtgtggc agaagataaa atagacgatc cttgatatgg 540
 cttgaacatg ctcaaaagca gaactgccaa agaatttagg caaagctttg ca 592

<210> 1709
 <211> 367
 <212> DNA

<213> Glycine max

<400> 1709

agcttgaagg caaactggat gcattgggta acttggtaac ccagctggcc ttgaatcaga 60
aatctgtacc tgctgcaagg gtttgtgggt tgtgctctc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240
tctccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tggccagcc 300
ctcagcaaca acaacagcag cctgcttttt ccttccaaaa tgttgctggc ccaaacagac 360
catacat 367

<210> 1710

<211> 654

<212> DNA

<213> Glycine max

<400> 1710

tttgtgtggg ataccagtg tgagtatagt ttccaaaccc ttaaggaaaa gttgacgacc 60
actcccatgc tagttttgcc taacctgaga gaagcctttg aggtgtattg tgatgcacat 120
aagatggggt taggaggagt gttgatgcaa aatggccaag tagtgaccta tgcttctaga 180
caacttaaga ctcatgagat gaattatcct accaatgatc tagaattggc tgctgttga 240
tttcccctgt ggttactttt tgttccactt ttttcttcat acaaatatat tcaagggaaa 300
tctggtttgt cgaaaagtgc accagatcgt caagtattta aaaattaaaa cggatgaatt 360
cgagtatcga actcagggaa actagtctaa gatcgggtta aattcagaaa taatgcattg 420
ttgaaagaaa cattgataat tgatgggtta aaatagaatt aaactgggtc taggataaaa 480
acagtaaaaa tgcaagtaag taaaattgac agcagtaggt agaagtgttg ggtctttcaa 540
acagacaagc tgatgcatat agggatgttt ctctaacga tcatgctttt atgttctatg 600
atgtagcata aattactaaa cctcgatccc taattgactg aatcaatcca gctt 654

<210> 1711

<211> 503

<212> DNA

<213> Glycine max

<400> 1711

agcttatggt agattagagt gaagttcacc ctgatcccca gaggtatagg agacttgtaa 60
gaaagctcat ttatttcacc attacaagac ctgatatctc tttgttggt ggagtagtta 120
gtcaattcat gcagaattct catgttgatc attggaatgt tgtcatgcat attcttagat 180
atattaaaag agctcctgta caaggattgt tgtatgaaga caagggtaac acacaactat 240
caggatattg tgatgcagat tgagctgggt gtcctatgga taggagatct acatcagggt 300
attgtgtctt cattggaggg aatattattt cttggaagag caagaagcaa gttgttggtg 360
cttgggccag tgcagaagtt gaatatcgat ccatggcaat ggtaaagt gagctcatgt 420
ggattaaaca cattctccaa gaattgaaat tctgtgaaag tgtgcaaatg aagttattct 480
gtgataatca agctgctctt tac 503

<210> 1712
<211> 696
<212> DNA
<213> Glycine max

<400> 1712

tcacagcaaa tgatagaatg tctatagttt tatcatttga caatttattg ttatttatg 60
tcttaccctt catatatata gactcttttt tttcatcttt ttcaactgtg aatttttaca 120
taattcataa attttatttg ataccttgca tagcattgca tttagcaaat acaatttaac 180
atgcttggtt tataagtatt gacacaaaaa aggcttatga aaataccttg tattgcatgt 240
tgctagggct tattaaaaat atcaaataat ttacatgtg tctgtgaaat cagacttatt 300
aatgatgcga taaattatgt aactatcatg tctctcggtg atgttgctaa aaaaattggt 360
taggaagtat atggattaaa agtgcattct tcaaaaagtt taaagatcga gaacataatt 420
aaccattaa attattatca ataaaataac cttaaattta aaatacaaac ataggtagat 480
gtaatttata ttatcaatta ttgataaaaa aaaatataat aatgtttatg tgaacaaaat 540
atttttttga ccaaaaaata aacgcatgtg ttttatattc aaaatcattt tacagtttaa 600
tatttaattg gtataaaaca gtataattgt agcaagctga aaatagttaa tgaacatata 660
tataagtggt atcataagtc tggcaaacat gtttac 696

<210> 1713

<211> 469
<212> DNA
<213> Glycine max

<400> 1713

agcttgtgtg cagtaatata aaatgtgtcc acacacagtc acttgttgct atccagtgtg 60
ttgttagcct tttttttcac attttttttt tgcttactcc cttttacttt ctttttctct 120
tttttgtttt ctatttttatc ttgtaaaaca caagatgctc tagttttaat ttaactaatt 180
tttaaactag tcaaaataac ttataaccta ctgctcttaa aatgatttgc aaaatacact 240
gtttcacttt tgattaagaa ttacaaaatt cacacacaaa aagatgacaa tggaacaaat 300
tttatactat ctctatattg taattaaaat taatattata aagatttgat agttatatta 360
agttgttcat aaattatfff tttttatcaa tcattcaatt caattttgaa taaaactata 420
ataatggttt aaatcttgaa aaaataatat aaaatfttta gaattaaaa 469

<210> 1714
<211> 470
<212> DNA
<213> Glycine max

<400> 1714

agcttgacga aatctagatg gcgatgcctc agcaacagct tgtacttggt tctcgggcac 60
agcaaagcat acagaatgct cactactagc ctacataaat actgaaaatg attaatgcca 120
tttcttatat atcagcgtgg acaactagaa aaattgaaaa aagttataaa tgcacctgag 180
atatcatgat aacattagct ccaacatctt ttactgcacc aaaaatagca ctggccgtac 240
ctggaacacc agacattcca gttctgcaaa aaagcatcaa agaaaaatft attggaatct 300
acaacttgga caattaatat tggttaaaga aaaccttaaa ttaaataagaa atccctcggc 360
aggaaaaaat gccaaactatt catcatgtaa cacaacttgc atttatgact caccocctga 420
cgtttacaaa tgccaaagtt gcctatggat gcaaaatctt tgacaaaatt 470

<210> 1715
<211> 439
<212> DNA
<213> Glycine max

<400> 1715

agcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattcttaa gaaggggggg ttgaattaag atattccaaa cttttcttct aattaaaaat 120
 ctattcttact ttttacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
 tcaaatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcagt tttatactgg ttcggccaca cccttggtgcc tacgttcagt 300
 cccaagcaa cccgcttgag agttccacta acttgtaaatt tccttttaca agttctaaac 360
 acacaaagac aacccttctt ttgggttttag agattcttta caacaagaaa ctcacagtct 420
 cttaatccct tagagaatg 439

<210> 1716
 <211> 485
 <212> DNA
 <213> Glycine max

<400> 1716

agctttaaac tctattttta attctatttt tctctctaaa tgtatattac aatgcatata 60
 tttgtaaata attaatgagc tcaaatattt aaaatgtatt ttttttacct aaatcttata 120
 aaataagtgt tagaaacaca ttttttaaca ttatccttaa cacatttaac ggattgaaat 180
 tgtttaaaaa ttacaaaatc atttcatgga gtcattaaat aagatgaatc acacaatttt 240
 tttataattt taagaaattt caatcaagag gatgtgtatt taaaagaatg agtgaaaata 300
 tgttactaat atttctcatc ttgtaatat ttgagtctga ttctttctaa ttggataggg 360
 aaatacacat tatttttgtg ggagccacaa taatatcttc ttcgtcccgt tataaataat 420
 gtttaagggt tttttaaac gattaacaaa acaagtattt taaagtgtt tgtgtatttc 480
 aaatg 485

<210> 1717
 <211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1717

ttgaatgcac tattcaatgg agttgacaag aacatcttca gactgatcaa cacttgcaca 60
 gtggccaaag atgtatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120

atgtccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttgga 240
 gagaggataa ctgatgaaaa gctgggtgaga aagatcctca gatccttgcc taagagattt 300
 gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtggatgaa 360
 ctcatgggtt cccttcaaac ctttgagcta agactctcgg atggggctga aaagaagagc 420
 aaaaacttgg cattcatgtc caatgatgaa ggagaagaag atgagtatga cctgnatact 480
 gatgaaggtc tgacaaaagc agttgtgctc ccgggaaagc agttcaacaa agtgatgagc 540
 agaatggaca ggaggcagaa gcccatgtnc agaacatccc ttctgacatc 590

<210> 1718
 <211> 581
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1718

tcttatccaa ggctcatctt ggtgggtgaag ctcttctc catggcttat tccataatgg 60
 atgggcctc ctctcacctc ttttccttg tcttcgctg catctccatg gtggaaaatc 120
 accattaaag gacccattg aagctcaaag atccagctc catagaagcc ccacaagcaa 180
 gcttccatca ccttgcccta atccatttg tgaaatagtc aatggcgatt agtaggaatt 240
 agattgctc tggggctttt ggcagtggtc ctagtatgcc tattccctat aaggcaaaag 300
 gccaaagggga actcaagcta tggaggatgt cangaggggt gtgtggaatg tctacaaact 360
 cttggcatcg cctgaacctc cttatgaagt caagggtgct ggccaataat agccggcgcg 420
 caccacttan gttgctaggg agcgaccct gatatggagg tcacagattc cttcatgtag 480
 ctcttgcag agatagtcta cttgttggtt ttttaggcatt ttaagcaatg atgtgttcaa 540
 ccctcttttg aatagctcac catcaaggat ggcgttgat c 581

<210> 1719
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 1719

ttttgtctct cttattaggc aatggttggc cctctctctc tctattgtga aatcctcacc 60
 ttttattctt ttctactttt gcagcaacaa caaatttaat catcttttca ccgacgagct 120
 tgtccctttc aataccaacc ccgacaagat gctcgacctc caacacacca ccaccttctc 180
 cccctgcacc aagatcaaag cctctgctga ttctctgtc accgctgact ctgacctctg 240
 cattttcact actggcgccc gccagatcac tgatgagtca cgctcaacc tctctagag 300
 gaacctctcc ctcttcggca ccaccattct gactctcgtt cgttactccc ccaacgctat 360
 tctcctcacc atttccaacc ctggcgacat tctcacctac acacat 406

<210> 1720
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 1720

agcttgctaa cccatggaag ctctaatat ctcccacact ttttggggtg ggccattcgt 60
 ggatggcctt gatttcccag ggtccacatg gacccattt ctaccaacta caaacctaa 120
 gaaaactata ttatctacac aaaaggtaca cttctctata ttgcataga ggtgttttt 180
 cctatggact gaaagaactt acctgagatg tctaagtga tcatctaggc tctattgta 240
 cactaaaata tcatcaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
 atgcataagc cttataaagg tgcttgggtgc attactgagc ccaaaaagtt ggtcttgaaa 360
 gcgaattttc actcatcacc ctttttctc ctgatttcgg gataaccact tttaagaaca 420
 atttttgaaa aaatattggc a 441

<210> 1721
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 1721

agcttgcttc tacacttctc cttgaagtgg ggtctccaat cacctttctt ctgtctccat 60
 tccactacca ctgatcttca agaagcaaag gactccattg atgaaggata tccaaggcct 120
 acaagttcta catggagcta cattatgtgg tatcagagta tttcatcta ggtgatcttt 180
 tgcttactct atcttttggt cgggcaattc actttaattt ctttttggtc atcgtcttct 240

ccatgtatct cctccattgt ctagtggttt ggtgttggtt aaattacatt caaaaaata 300
 aaatgatcaa aacttagatc tacacttgtt cttgcatttc catgggggtcc aacccatgcc 360
 tcatcaatta aggaatgctt t 381

<210> 1722
 <211> 519
 <212> DNA
 <213> Glycine max

<400> 1722
 ttgagcaaat tcaaacgaca ataactcttt actcggatgt ctgattgagt cctgtaatat 60
 atcgagacgc tcgaaatgga ataccgaagc tctgagcaaa tttaaacgac gataaccttt 120
 ttactcggat gtctgattga gtcccgtaat atatcgagat gctagaaatt gaatgttgaa 180
 gctctgatca aattcaaacg acgatgactt ttactcggga tgtccgattg aggctcgtta 240
 tatatcgaga cgctcgaaat ggaatatcga agctctgagc aaattcaaac gataataact 300
 ttctactcgg atgtccgatt ggtcccgta atatatcgga acgcttgaaa ttgaatgttg 360
 aagctctgag ccaattctaa cggcggtaag tttttactcg gatgtctgat tgagtccgt 420
 aatatatcga gatgctcgaa atggaatgtt gaaactctga gcaaattcaa acgacaataa 480
 tcttttactc ggatgtctga tggaggcccc caatatatc 519

<210> 1723
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 1723
 agcttctaca ttcaatttcg agcttttcga tatattacgg gactcaatcg gacatccgag 60
 taaaaagtta ttgtagtttg aatttgctca gggcttcggt attccatttc gagcgtctcg 120
 atatattacg ggactcaatc ggacatccga gtaaaaagt attgtcgttt gaatttgctc 180
 agagcttcgg cattccattt cgagcatttc gatataattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcgtt tcaatttgct cagggttcg gtattccatt tcgagcgtct 300
 cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360
 tcacagcttc tacattccat ttcgagcttt tcgatatatt acgggactca atcagacatc 420

cgagtaaaaa gttattggcc tttgaatttg c

<210> 1724
 <211> 618
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1724

ttgctggtaa aggtcttgaa tgaagctcac gtagcccaag acatctccgt agaaggcttt 60
 gggggaatcg tcaataacat caaagccaac aactacctca ccttcgctga agaggaaatc 120
 cccgccgagg ggagaggaca taaccaggct ttacatgtgt cagtcaaag catggaacac 180
 gttatggcca aagtactcat cgataacggc tctagcttga acgcgatgcc caaaagcaca 240
 ttggagaaat tgccatttaa ctcttcccat ctaaggccaa gttccatggt ggtctgtgcc 300
 ttcgacgaca gccgccgaga ggtaagggga gagatcgacc tcccagtaca gatagggcct 360
 catacctgcc acgttacatt ccaagcgatg gatatcaacc cagcctatag ctgtcttttg 420
 gggcgctccat ggatccactc agtgggagtt gtcccctcca cactccacca aaagctgaag 480
 tttgtagtgg aaggacatat ggtcatagta tcacgtgagg aagacgtcct gntaagttgc 540
 ccttctcteta tgccatacgt ggaagccgcg gaggagtcac tataaacgac tntccaatct 600
 tttgaggtag taagcatc 618

<210> 1725
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1725

ttagaggtgc tagtggaagt agaaagaagt tgattgtacc ctttaattaa atcttcteta 60
 gatttgaata ttacctcttc accatcagag ttgacagtgt tatcaggcta aggatgtatc 120
 aaccattaga cataggttgg tttcttcttc attgtcctta tcagacaatg aattatccaa 180
 gtcttcccaa gtgttcatga ggctttttaga tgcaatccta ccccgcaagg gcattggata 240
 gaagactcca agtttatttg gccagagatc caaggggaagg ccctanggtt ctcatgagcc 300
 ttanggtaga tttcgagccc atgggctaag tatgagcccg cttatctttg taaatattag 360

aatagat t t t t t t t t c c t t t t g c t t c g c g c c c t t g t a t t t g g c c a t t c t a g t a a t a t a g g g c t t t 420
a a c c c t g t a t t t c g g g g c a t t t t g a g t a g t c t t t g t a a c a c g a c t t t t n t t g t t t t t c a 480
t g t t t t 486

<210> 1726
<211> 565
<212> DNA
<213> Glycine max

<400> 1726
a g c t t t t g g t a c a a a g a a g a a g a a a t a a c t t c a a a g a g a t t t c a a g g c t t g t a a a t g 60
a t t g t a a g a g a t t g t t a g a a g a t t g a t t a a a a t g c a a a a c a a g c c t t a c t t t t a t a g 120
a c t c t t c a t g t a t g g t c a a g a a g c c a t t c a g a a g a g t t a t a c t t t t t a g a a a a c t t a a 180
a a c c c a t t t g a a g g g t c a a a a c c t t t t t g a a g a g t t a c a t c t t t a g a t t t t c a g a a a c 240
a a a c a t t g g t a a t c g a t t a c c a a t a a g t g t a a t t g a t t a c a c a a a g a t t t t g a g t g a a a 300
c a a t g t g a c t c t t c a c a t t t a a a t t t g a a t t t c a a c g t t c a a g g a c a c t g g t a a t c a a t t 360
a c c a a a t c a t t g t a a t c g a t t a c a g c c t t t t g a a a a t a t t t g g a a c g t t g t a a a t t c a g t 420
t t g a a a a c t t t t t c a a a c t c a t t t t g c t a c t g g t a a t c g a t t a c a c a a t a t g g t a a t c g 480
a t t a c c a g a a g a g t a a a a c t c t t t t g t a a a g g t t t t t g t c a a a a c t c a t g t a c t a t t c a a 540
a a g t t t t g a a a a c c t t t t t a a t a c t t 565

<210> 1727
<211> 565
<212> DNA
<213> Glycine max

<400> 1727
g g c t c a a a c a c g c t a t g a c c a a c t c a a c c t t a t t g a a g g t a a a c g c t t g a t g g c c a t g t g 60
c c a t g g g c g c c t a t a t c a a c a a g a a t g a a g a a t g t g t t c g a c a g a a a g t g c g c t t g c c 120
c a a g t t c c a c g a a g g g a c c t t g t g c t g a a a a g a t g t c c c a c g c t g t t a a g a a t a a t c 180
g a g g g a a g t g g g c c t c c a a c t a c c a a g g a c c t t t c a t t g t g a a t g g g c t t t t c c g g a g 240
g g g c c t t g g t g c t t g c c a a c a t g a a t g g c g a g g a g c t a c c t t t a c c c g t g a a c t c t g a t g 300
t t g t c a a g c g a t a c t a t g c t t a g a a t c t g g g g c a a t t a a g g a t a t c a t t g c a t g t t c t t t 360

tatttttatg tgttttctt gggttccccc aaggattccc gtctgctgta tttttctcgt 420
cacagtcttt ttaaaaagaa gagaacaaga gtttgaggct tcaatcctca ctttgggctt 480
taaaccatgt gcagtttggtg ataacctgag cctttttcct tagtccatgg gatgccccaa 540
gcgcttaatt aaaactgaac ctgac 565

<210> 1728
<211> 716
<212> DNA
<213> Glycine max

<400> 1728

ctattaacta tgttttttct tattaataaa aatccagaca gcattaatga ttttataata 60
attcaatgca ccatatttaa ttaacttagt taaatatcct tgacaatttc taagctactt 120
aatttcactt cctggacaat aattcatatt atccaattta tactatctat aaggtaaaaa 180
ttacaaatac atgaaagttt gaaagcaccg taggatttgt taataaaaaa acatgaagca 240
agtggggttcg aagggaactt catgaatcct tataattttg ttttaatcag cataggtata 300
cgtatattaa tataaatgaa agacaaaaat gggtgcccca accattttcc gtataatgta 360
gattcatgga gaaaatttaa caatcaatat attttctgac atactttttt aatattgatt 420
aaaattataa attaaattta tagatcttga tttattttaa ctagtatttt aaatttgcaa 480
tttattgaat aaatttttat ttatatataa taataataat gtaaagttac caaccaatta 540
gatattttta acatttaata aaatattatt aattaaaaaac ttggaaaaaa aaaaatttaa 600
aaatttataa atttatattt tgaatttatt actaaaaaat ttcaaatagg ggatattagg 660
taattttttt taaaaattaa aatgaatacg ggggttaaaa ataaaggatt ttttaa 716

<210> 1729
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1729

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gccaaagcca agcgctaaat ataattaaac ttatatccg tccaagctta aaaacagcta 120
tttatataca agatatatct ttaaaataac aaccagtcac atggatattg tcaataaatt 180

gaaaacagtg tgtgggcctg ttattatcaa atcacttgta aaacttaatt atatgaagag 240
 cacttaatga ttgataaact atttactatt aatatcagat aaaaattatt ggatagagat 300
 tattttcttc cttcgacatg tttaatcatc atttggttta aaaacccctt gatttataat 360
 ttaattaaaa ataatgtttg tcttgagggc tacttccatc aaaagtggaa actatttttt 420
 tatacttgcc ctttactcct catcaatcat aatctgtgat ttttaagata taaccctcct 480
 ccgttgacat ccaatttagc atattaaaga aaaatgggtgc gccattatac aacattgata 540
 aataagtt 548

<210> 1730
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 1730

agcttaaaag aatcagaggg gctcaaacac gctatgactt actcaacctt attgaaggga 60
 aacgcttgat ggccatgtgc catgggcgcc tatatcaaca aagaatgaag aatgtgttcg 120
 acaagaaggt gcgcttgccg aagttccacc aaggggacct tgtgctgaaa aagatgtccc 180
 acgctgttaa agataatcga gggaagtggg cctcgaacta cgaaagacct ttcattgtga 240
 aatgggcttt ttccggaggg gccttggtgc ttgccaat gaatggcgag gagctacctt 300
 taccctgaa ctctgatgtt ggcaagcgat actatgctta gaatctgggg caattaaaga 360
 tatcattgca tgttctttta tttttatggg gtcttcttgg gttccccag ggattccgt 420
 ctgctgtata tttctcgtca caagtctttt aaaa 455

<210> 1731
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 1731

atactgaaac ttttgccctt attactcatc taaaagcaat acacatttta ctatcccttg 60
 gtgctcatca tgggatgatg gtgtatcaaa tggatgtaaa aatcatattt ctcaatggac 120
 taattaagga agaagtctat gtggaacaac ccctggagtt tgagaattct atctacctt 180
 atcatgtttt caagcttaaa aaggaccttg tatgggttaa aacaaactcc ttgagcttgg 240

tatgaaaagc taagtttggg tataactgaa aatggcttta aaagaggaaa agtagatact 300
 actttgttgc ccaaaaatta tggtaatcaa ttcctaatacg gctagatata tgtggatgat 360
 atcatatttg atgctcctaa tgactcttta tgccagcttt 400

<210> 1732
 <211> 687
 <212> DNA
 <213> Glycine max

<400> 1732

gcttcccaag tttttaagtt attcctcaaa actgtcctaa gcaaagttcc caaagtccta 60
 ttaacaactt ccgtttgccc atcggttggg ggglyacaag tggttgaaaa taacaattta 120
 atgccaact tgctccacaa agtcctccaa aaacgcaa atcaagcct aagtatagga 180
 tgcctatatt taatggatgat gttattaagg gctctacaat cagaacaaat gtgcatgtc 240
 ccatcctttt tagggacca aatcactggg acagcacaag gactcact atctcttacc 300
 caacctttgc taatgaattc atccacttgt ctttgaatct ctttggtttc ttttgaatta 360
 cttctatagg ctggcctatt gggcaaagaa gctcccgaa tgagatcaat ttgatgctca 420
 attccccctc aaggaggtag tccacttggc acatttgggtg gaaacatgtc atgaaaatcc 480
 tgcaaaagaa ttttaacact agaaagcact taaatcatc aaaagtgtta ggggcaaaat 540
 ctgatttttg cataacaaga tatagaacga ctgtttaaca ccaaacaacc ctcttgacct 600
 cactttttgt gggtaatac ctctccctca ctctaagggt tcccccttc ttttggaacc 660
 tctttttccc tcccagtggt tccctca 687

<210> 1733
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 1733

agcttgaacc aagatcaatc tcaatgggtct tgtttcta at gagaccatcc ctttttttca 60
 gataagctct ttctgcctct ccacttctc gcttggcaca agcacaatga tccaaccaa 120
 tccccaacac ttgcttgga atgggtcca aatggctcct gatgatctcc tccatgcgtt 180
 ccactccgcc attttccgtc agaacgcgaa ccattatggc tgtaggagaa gaaacagtgc 240

ggatgtaaag ggaagaagaa aagtatgggt gaacctctgg aactctctcc agagtctgcc 300
 tatgtttgtc tagttgagtg tectcataga aagttttgag gtcactctggc caaagcacat 360
 ggtctttccg gggaggccaa tcaagaatga gaagtagcat tgttggaacta ctggggatca 420
 tttcaaacac aaaattt 437

<210> 1734
 <211> 505
 <212> DNA
 <213> Glycine max

<400> 1734

tcctatacat atgatagaga gggttcacat caataatgtg gttctatcat atgctaaaag 60
 ttttacgatt ccatgcaacc atatacatct aggatacatg tgggcatgtg catttgagtt 120
 ttgcttaaaa taaccttatt ttctatccag aagtcacata tgtgtaatac tattatccca 180
 aagaaaaatt ataatttttg ctatattaga ttactaatag aaactttctt attaactatt 240
 atgaataaat caatatggag attatagtgt ttatctatct ttttaattttc aaaatccttt 300
 atgttgaata gaatgaatga atggctatag aataattagc catatgaaaa acccaatgta 360
 ctatgacaga aattcctaag aatgatatca tgactttacc tagccattga accaatttgc 420
 ccaattaatg aacatggaga tgtaccaca tgtagaggta tacatgcac accattattt 480
 catttttaat ttattgtgca aaaat 505

<210> 1735
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 1735

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 tgccacaaat ggagacactg gatgtctgcc tgtctcagtc aataagcatt tctattctta 120
 tcaatggcag tcctaccaag gaatttgctc ctactagagg tttgaagcaa ggtgatcctt 180
 tagccccctt actctttaat ataattggag aaggcatcac aggattgatg aacgaagcag 240
 ttcagaagaa cttatataga agctatatgg gtggaaagaa aaaggaaccc attaatattt 300
 tgcagtatgc ggatgacaca atttttgtgg gtgaggctta ttgggaaaat gttattgctt 360

ttaaagctat gctcaaggga tttgaattgg cctca

395

<210> 1736
<211> 516
<212> DNA
<213> Glycine max

<400> 1736

agcttcaaaa aaaagatggc ctgggcaaac tccttatttc cagaaggga ttctatcaat 60
agacctccaa tcattaatgg agaggggttac cactactgga aaacccgaat gcaaattttt 120
attgaggcaa tagacctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180
acagtagaaa gagttacaat agatggcagt tcatcaagt aaagtataac aattgaaaaa 240
cctggagata aatgggtctga agaggataga aaacgagtag aatacaattt aaaagccaaa 300
aacataataa catctgcctt gggaatggat gaatatttca gtgtttcaaa ttgtaagagt 360
gctaaggaaa tgtgggacac tctttgatta acacatgaag gaactacaga tgttaaaaga 420
tctaagataa atgcactaac tcataagtat gaactaatta gaatgaatgt caatgaaaat 480
attcaaagca tgcaaaagag atttacacat atagta 516

<210> 1737
<211> 408
<212> DNA
<213> Glycine max

<400> 1737

caatagaaac tatatgactt ggagaattct atgccacttc aaccttttga acaacaagt 60
aaggacctca agataacca agctgacctt tgggaaaagc tactatgcag gagtctattg 120
tgaggcagaa atcaagatgc atatggatca aagaggggga caacaacaca tcctattttc 180
atagagttat taatttgagg aggaggataa atgctttgag gggggtgcag attggtgaca 240
cctgggtgga aaatcctaac attataaagg ctgaaaccct tcatcatttt cagaacaggt 300
tcaatgagcc tcaattgagc agacctaaact tggatgggggt ttcattttaa agtctgactt 360
ctactcagag agaaactatg attgaaccct tttatagagg aagagata 408

<210> 1738
<211> 445

<212> DNA
<213> Glycine max

<400> 1738

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agcttatgct ttttaatttag cccattttaa tataagtatg agcaaccttt ctttttcaga 60
agccaagctt gaacttcaag tgttcaactt ggctagatag acttgtttgc acctttactg 120
ataaatgact aatcagaaaa tttaaattcac atagaggaat acaatcatta tactaatgta 180
taggtgacag acacacctta cttttgcatt taaccttgta gactgcctct ctgaatgatg 240
agacaaagct gttattaatt ctgatctgcc aataaaaagg caggggaaat aaaaagtatt 300
agctgtgaaa tatagagggtg agaataagaa cagaaccaac ctgtgcatga tgaagatctg 360
gctcaatgtg tttcctaaal aatggaaaaa tgctatcaat aaggtaatcc agtgaacaag 420
aatctccaat gtcatagcga acttt 445
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<210> 1739
<211> 213
<212> DNA
<213> Glycine max

<400> 1739

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tctcagcttc accttaggag acggaccatt ccaagtgttg gagaagatca acgactatgc 60
ctacaagatt gacttgcta gtgagtatta tgtaagtgcc actttcaatg tgtctgacct 120
atctcttttt gatgcagatg gcggagcctt tgatttgagg acaaatcctt tttcagaaa 180
ggggagggat gaagacataa cccaggacca tga 213
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<210> 1740
<211> 416
<212> DNA
<213> Glycine max

<400> 1740

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agctttgagc taattcaaac gacaataatg ttttgctcgg atgcccgact gagaccogta 60
atacatcgag acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgagtcccat aatacatcga gacgctcgaa attgaatggt 180
gaagctctca gctaattcaa acgacaataa cttttttact catatgtctg attgagtccc 240
gcaatatatc gagatgatcg aaattgaatt ctgaacctct aagctaattc aaacgacaat 300
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aatcttttgg ctcggaagtc tgattgagtc cccgtttcta ttgagacgct caaaatagaa 360
 ttcttaacct cctagctaataa taaacgacaa taactttttt ctcggatgtc tgattg 416

<210> 1741
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1741

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 atcataggtc ttcatatca aattatttct ttaatcaatc tatagctttt ggaaagctct 120
 tcaagagctc caaanatatt tacataatct acataaacia cagttatgaa aaatctattt 180
 ttcatattt tcatgaaaaa tacatggaca aataagatca tttctatatc ctcccttttag 240
 caagtactca ctaagtcaat tgtaccatgt gcgacttgat tgccttagta ttattctcta 300
 gaatatgcat tattgggtca attatatact tcaggaagtt ttatgcaa atcattatca 360
 agagagtcgt ataagtaa atgtacaacat aaaaacatcc attagatcta aactaagtc 420
 tccatgggct act 433

<210> 1742
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 1742

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 tcacctgacg aagacactga caaaaactta tcttctcctt cttggacaaa atatggcagg 120
 ctggggggcaa gtaaattttt tccccatcat accttgatg caaatgtgat tgtatacca 180
 tatcaggtag atcttgacgg gtattcaagc catccttcgt cttgccttga atgttaaaga 240
 gcgtcccaac cacactgtca caaacatttt tctccacatg cataacatca atacaatgct 300
 taacgtcaag atcacaccaa gtcggaagat caaagaaaaa ggacctcttc ttccatatgc 360
 aactctgact tttatccttt ttttggggcc ttc 394

<210> 1743

<211> 432
 <212> DNA
 <213> Glycine max

<400> 1743

taaaggtgtg tagcccacca tcttttcata gtagaatact gtttatgtgt ctactattat 60
 tgtcatcatt tgtttttcca tcattgaggt gccacttgag ctgccaggtc tctccacctt 120
 tgggcgtatt cttttgaagg attcgtgccc cctttttgca catgttttgt agttgcatcc 180
 tatccgaagc cattatactg aactgccta acgaaggcaa ccattaggtc cttccaagaa 240
 tggactcggg aaggttccaa gttagtgtac caagtaacag ctacccagc aagactttct 300
 tggaaggaat gtatcaacaa ttctcatct tttgcatatg ccccatctt tcaataatac 360
 atcttttagat ggttctcggg gcaagtagtc ccctgtact tgtcaaagac cagcaccttg 420
 aacttgggag gg 432

<210> 1744
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 1744

tcaacatcag accactttca ggggtgctgga actactttta tttttttgat ggggcctatg 60
 cacgttgaaa gccttgtagg aaagaggtat gcctatgttc gtgtggatga ttttctccag 120
 acttacctgg gtcaacttta tcagagagaa attagaaacc tttgaagtat tcaaagagtt 180
 gagtctaaga cttcaaagag agaaagattg tgctgtcaac aaaatcacga gtgaccatgg 240
 cacagagtta gaaacaacag gttcactgaa ttctgcacat tctgaaggca tcaactcatga 300
 gttctctgcg gccattacac cacaacagaa tggcatagtt gagaggaaaa acaagacttt 360
 gcaagaggct gctatggtca tgctttatgc caaagaactt cctaatatct tctggctgaa 420
 gccatgaaca cagcatgcta catcccaacc gagtccc 457

<210> 1745
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 1745

tgctggaact acttcacatt tatttgatgg agcctatgca cgttgaaagc ctctgaggaa 60
 agaggaatgc ctatgttgct gtggatgatt tctccagatt tacctgtgtc aactttatca 120
 cacagaaagt ccaatccttt gaagtattct acgagatgag tctgagactt caaagagaga 180
 aagattgtgt cttcaagaga atcagagtg accatggtag agagtttgaa aacagcatgt 240
 tcactggatg ctgca 255

<210> 1746
 <211> 589
 <212> DNA
 <213> Glycine max

<400> 1746
 agcttatagg gagccatgcc aatggtaaag tgaaaactat tgttataagt taactctatc 60
 aatggaagaa aactctccca acttcccttc ttctccaaga cacacgccct caaaagggtcc 120
 tccaatgact gaatgggtccg ttcagtttgt ccatcaatct aaggatgyta agctaaactt 180
 aatctaagct tggttcccaa tgctctgttc aagctctccc aaaatctaga ggtgaatcta 240
 ggatctctat cagatactat gctagatggc acaccatgta atctgacagc ctcacatata 300
 tacaaggagg tcaacttctc caaggaaaat ctgatattaa tgggaatgaa gtgagcagac 360
 tttgtcaatc tatcaacaat aaccagata gaatctaaac ctctaggggt tctaggtagt 420
 cctaccacaa aatccatgga aatactgtcc cactttcact ggggtatctc taaaggttgt 480
 aacttccctg aaagtctctg atggtctatc ttagccttct gacagactag gcatgcatac 540
 acaaactcac taacctcttc ttttatgttg ggccaccaa acatcggct 589

<210> 1747
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 1747
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 atatatcgac acgctcgaaa ttgaatgttg aagctctaaa cctattcaaa caacaataac 120
 gttttactcg gatgtccgat tcagtgacgt aatatattgg gatgctcgaa attgaatgtt 180
 gaacctctga gccaatcaa acgacaataa ctttttactc ggatgtctga ttgagttccc 240

tcatatatcg agacgctcga aattgaattt tgaacctctg agccaattta aacgaaaata 300
 acgttttact cgaatgtctg attgagtcce cgaatatatt gaggacgctc gaaattgaat 360
 gttgaaactc tgagccaatt catacgacaa ttacttttta ctcgatgat tgat 414

<210> 1748
 <211> 509
 <212> DNA
 <213> Glycine max

<400> 1748

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 catttaaggc aaagctattc cgagtaatgg gagagttgac cttttggtat attcttcaaa 120
 ctacaaaata tgtttggaac aaagaaatct tttcttgaac ttggatataa atatagcact 180
 aaggaatata ccaaactctga gatacttctc aatactagtt tgtaaaagct aaattttctaa 240
 catactccat attttaattt ctagttttca gcaagggtatt tttgttgctt ttaaagtgtg 300
 aatcggtttg aaaatctttt taatatttag ttctaataca gtttattatt agatattatt 360
 caatcaaaac taattaaaca cacaacacaa acttgagaag caaggaaagg atattgaaca 420
 tgagaatttt tttattgatt cacctataac cctgggctat acattcagtc attacaactt 480
 aattatagga tcttctacgt ggaaaaaaa 509

<210> 1749
 <211> 516
 <212> DNA
 <213> Glycine max

<400> 1749

agcttcaaga attatggcct catcaaaata cttgtttccc gtaggaaatt ctataaataa 60
 acctcccatc tttaatggag tgggttacca ctactggaaa acccgcatgc aaatctttat 120
 agaggcaata gatttaaata tttggaagc catagaacaa ggaccttatg ttcctctat 180
 aataaccgga agtgcaacaa tagaaaaacc taaaacaaat tggactgagg aagaagaag 240
 attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gtatagatga 300
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actttttaag atgaaatgta atgaaaatat acaagacatg caaaagaggg tcacacacat 480
 aggtaatcat cttgcatctt taagaaaaac cttttc 516

<210> 1750
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 1750
 agcttttgag caaattaaat ggtcataact tcttactcgg aggtccgatt gaggcgcata 60
 atatattgag acgcttcaaa ttgaaaaatg gaagctcttg aaaaaatcaa atgggcataa 120
 cttgtgactt cggagtcgaa ttcacgcca taatatatcg agacgctcca aattgaacaa 180
 tggaagctct tgaacaattc aaatgggcat aacttttaac tcggaaggtc cgattgaggc 240
 gcataatata tcgaaacgcc tcaaattgaa caatggaagc ttttgagcta taaaaatggt 300
 tattactttt cactcggaat tccgattcag gcacataata tatccaaacg ctccaaattg 360
 aacaccgga gctttttgaa caattcaaat ggtcataact ttta 404

<210> 1751
 <211> 538
 <212> DNA
 <213> Glycine max

<400> 1751
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 aatcaattac acaatttaaa atttgaattc aaatttctaa tagctgtttt aaatagtttc 120
 aactgctggt aattgattac aatacttatg taatcaatta catgctttca aaagtattca 180
 aaatcatttt aaaagcattt caggaagcat tttggccact agtaatcgat tacatcctct 240
 ggtaatcgat taccagagag taaatctctt gtaaaaacat tttaacttat attctttggc 300
 caaacctctt gttgtctcaa cttggaattc ccttcctaag tctctagaga ttatcttgat 360
 catatatctt gaatttcttg gattcttctg ttgaattaaa cttgagaagc gcagcatgat 420
 cctcttgaat taaacttgag aagcacatgg tccttttgca tcataaaaa cataaaatgg 480
 cctttgtttc tacaaaatta tctttgattt ggtatataga gctcttgctg tggacaaa 538

<210> 1752

<211> 556
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1752

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gaatattggg gctcttatac caatattgag aaggaaataa taacattata ttctctaaca 120
ccttttgaca cactttttta ttggtgaaa ttgatgtaag tctcactaaa tgagactcat 180
ttcttatttg gcgcactctc ttttaaacta gtggaattca aataaatttt aaccaatatc 240
agaagagagt ctattagaaa gagaattata attatgttac acgaggctga agtgcctga 300
atagcagact gataaaagac aagaaatttt gtttgcaggt acttactcct tegtactcac 360
tccaaggagg ctttccccgt gaacatttca ataattgtac aaccanact cccaatatta 420
acagcgaaag ccaggtcaga gctgttatct tttgcacaa ccgcttgaaa aagctgcatg 480
tatgaggaat aagtgtctat agagaacgca tgagacatcg cggagttata gagttataaa 540
ccttaataga tatacc 556
  
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<210> 1753
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1753

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tggagcctca attatattgt ctctgtcga ggggcatttc tttctctaca aacattattt 120
tgcacatccc aacggtggga atatgcggaa atgagttccg aatgtggtga ccaaattcta 180
tgatgctcca atggttaatg aatatgggat catactttta cttacacaag ttggtgtga 240
tgcattgttt gggagaggaa gaagcgataa ctaanttgag aggaagaaa agcgcataga 300
cgtatccgat gtgtcaaac tgacctaatg tgtccattta taactatgag accgagtcta 360
ctatatatnc tatctgttgc tataattaat tactncataa aaagagagct ctattatact 420
ctctatcaaa tacataaata taacatcctc ttatgttcta aaaacacat 469
  
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<210> 1754

<211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1754

ataactttca ctcgagggtc cgtattangc gcataatata tcgagatgct cgagattgaa 60
 caacgaaagc tctcgagaaa tttaaattggt cataactatc aacttcgagg tccgattcag 120
 gcgcatacta tatcgagatt cacgaaattg aacaacggac gctctcgaga aattcaaattg 180
 atcataactt ttctcacgga tgatcatgatt aggcgcataa tatatcgaga cgctcgaaat 240
 tgaacaacgg aagctctcta aaaattcaaa tgggtcattac ttttactga gaggtccgat 300
 tcatgcgcat aatatatcga gacgctcgaa attgaacatt ggaagctctt gagcaattca 360
 caatggcatt acttttact cggagggtccg aatcatgcgc atactatata gagacgctcg 420
 aaattaacaa c 431

<210> 1755
 <211> 182
 <212> DNA
 <213> Glycine max

<400> 1755

gccactgcaa ctgaattctt acatgattac ccgaagtagc ttgtgtgcac ttcacagatg 60
 gagcatgcat gaggaccctt gacactgtca ccgtatggat tcccataggc gggactgcc 120
 ttattgggtc caatcagcat ggctcgcata ataaacgtct cattgcgaaa cgcattctaac 180
 ac 182

<210> 1756
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1756

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 ggtcatttct tcatttagct ntgaagagaa tgatcatggat cactgtatat accagaaggt 120
 cagtgggagt aagatttggt tccttgatatt atacgtagat gacattctgc ttgcgactaa 180

tgataagggt atgctatatg aggtgaaaca atttctctca aagaaacttg atatgaagga 240
 tatgggagag gcatcttatg tcataggcat aaagatccat agagaaagat ctcgaggcat 300
 tntaggcttg tctcaagaaa cctatatcaa caaagtnta gagagattaa tatgaaagat 360
 tgtcaccaag tgtagctccc attgtgaagg gtgacanact tgctttgagt caatgcccc 420
 aaaatgattt tgagcgggaa cacatganaa atattcca 458

<210> 1757
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 1757
 agcgtctcgt tgtcgaagtt cgagcgtctc gatatatcat gcgctttaa cggacctgcg 60
 agatgagagc tatgaccatt tgaatttctc gaaagcttgc ggcgttgaag ttcaagcgtc 120
 tcgatataat atgcagcgtg aatcggatgt acgcagggag aagttgggac catatggatt 180
 tttagagtgc ttccgttggc caatatcgag cggctcgaga tattatgcgc ctgaatcgga 240
 cctccgagat agaagtcatg accatttgaa ttctctgaga tgtctcgttg ttcaatttag 300
 agcgtctgga catattatgc acttgactcg gacctccgag tgaacagttt gaccatttga 360
 atgctcaaga g 371

<210> 1758
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 1758
 agctttaact cggagggtccg attcaagcgc atatatatat cgagacgctc gaaattaacc 60
 aacggaagct ctcgagaaat tcacatggac ataactctta actcggaggt ccgattcatg 120
 cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaattg 180
 tcataacttt gcacacggag gtctgattca ggccgataat atatcgagac gctcaaaatt 240
 taacaacgga agctctcgag aaataccaat ggtcataact tttcactggg atgt 294

<210> 1759
 <211> 419
 <212> DNA

<213> Glycine max

<400> 1759

gtacagcaga tgccactcta ctccaaattc ttgaaggata tgtaacaag gaaacataag 60
tacattcacc aggaaaacat tgtagtggaa ggaaattgta gcgttgtgat tcaaaagatc 120
cttcaccta agcataaaga ccctgggagt gtaactattc cttgttcaat tggagaagtc 180
attgtgggaa aggctcttat tgacttggga gccagtataa atttaatgcc actctccatg 240
tgtagaaggt tgggagagtt ggagatcatg cccactaaaa tgactttaca actggctaac 300
cgctccatta ctgagaccata tgcagtaatt gaagatgcgt tggtcagagt gaaacatttt 360
atcttcttgg tagactttgt ggtaatgaat atctgtgaag atactgacat tgctgtata 419

<210> 1760

<211> 490

<212> DNA

<213> Glycine max

<400> 1760

agtcacctgc ggcattgcaag cttcattcta cacctgaaaa agaggatgag atagttgcac 60
aaaggagaaa gcttcctaac aaaaattttc atgcagggtg accttcttct agtaattcta 120
acttacgcga gcttcctatc cctcttccat tcccacctag agcaattcta gacaaaaaaa 180
tggaagaagt ggaaaaggag atcttggaga ccttcaggaa agtagagggtg aacatacctc 240
tgctagatgc catcaagaag attctaagat gtgccaagtt tctaaaggag ttgtgcaccc 300
acaaaaggaa gctcaagggc aatgaaagga ttagcatggg cagaaacgtg tcagcattga 360
taggtaaatc tgttcctcac attcttgaga aatgtaagga cccaggtact ttctgtatac 420
cttgcatatt tgggaacagt aaatttgaga atgccatgct agatctagga gcacagttta 480
gtgtcatgcc 490

<210> 1761

<211> 244

<212> DNA

<213> Glycine max

<400> 1761

agcttgtagg ccttggatct tcttcatcaa tggagtcctt tgcttcttga agatcaatga 60

caatggaatg gagaaggagg aaaggtgatt ggagactcca cttcaaggag aagataagtt 120
 gagaacaagc tcaccaccat aggaagccat ggataagagc ttgaaggtaa gagaagatga 180
 gtagaggag agaagaggga gaatgaggtc ttaactttga agtctaattt ctcaaatcat 240
 caaa 244

<210> 1762
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1762

gacaacgac agaagacaac cttttcctgt aagatataat tgaaactlat tgagtcttac 60
 atcctgggtt tgaaagatga gatatatcat gtgactaaat tatcattcat ctcgatcaat 120
 acattgataa gcaacccttc aattcatgtt ataccttaaa gttgaattct tcattcttaa 180
 ccttatcgta aatttgggat tcatttcaca ctttatcttt gcaaagccga aaaaattatt 240
 ttattcttga tccgtaaaaa gaatactctc taaatcattt taaacaatca ctttttttac 300
 ctttatctgt atgtttaatt ttttgtctat tcttttcaaa tatttatattc tttatcaatc 360
 taaaaattaa tgttcaatat tctattaaat gagaatgtca ataattaaaa ataactctat 420
 attggaactt aaattgattt tataaatcta cgtgctcta 459

<210> 1763
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 1763

agcttctccg gtcaatgtca gaccgtaccg ataccctcat tatcagaaac aagaaattga 60
 gaatcaggtt gatggcatgt tgcagcgagg cttcatacaa ccaagcacia gcccgtttcc 120
 ctcacccgtg ttgtttgtca agaagcacga taggtcttgg cgcttatgcg tcgactaccg 180
 tgctttaaat gctttgacgg cgcattgatca gtttccaagt gcgactgtgg atgaactctt 240
 ggacgaatat gaggcgcca 259

<210> 1764
 <211> 394

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1764

ctacgccnaa catgagacca cttccagggt gctggaacta cttcacatgg attcgatggg 60
gcctatgcaa gttgagagcc ttggaggaaa gaggtatgcc tatgttgatg tggatgattt 120
ctccacattt acctgtgtgg actatatcag agagagatca taaacctttg aagtattcag 180
agagttgaaa ctaagacttt aaagagagac agactgtgtc atcaatagaa tcacgagtga 240
ccatggctga gaataagaat acagcatggg cactgaattc tgctcatctg aaggcatcac 300
tcatgagggtc tctgcagcca ttacaccaca acagaatggg atagttgaga tgaaaaacac 360
gaccttgcaa gaggtgttc tggctcatgt tcat 394

<210> 1765
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1765

tgtctattac tcccaataga cgtcctcctg gtgttgcaac cttcttcaac ccaatagaca 60
tggctntgct gtcagctgtg aagcaaggta cttttgtagt tcaagcagca ggaaatactg 120
gaccatcacc aacaagcatg ttctccttca gtccatggat ctatactgtt ggtgctgcct 180
ctcatgaccg ggtttatagc aactccatat ntcttggaat taatgtgacc atacctggag 240
ttggtcttgc acgtaagttt ttgtttctca attcctggta aatggttaac cttataagaa 300
tttatnttag actaactcac cagagggggg gtaatgttac tgactttaat gattggactt 360
tctc 364

<210> 1766
<211> 205
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1766

agctttntcc aagttaataa aaaccatag taagtctctn tctttgcttt ggtaactatc 60

catcaatccc tggttaaagat aaatgacttc tgttgtagac tttcttggtta taaaccaa 120
 tgattctttg caattcttat ttcttatcta tgaccaatca cttgttctca taatttcata 180
 gtgtggtaat taacgttgaa agtga 205

<210> 1767
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1767

agcttgatgg tgttgagaag aaatcacatg tttgtcatca tcaaaaaggg ggagaatgtg 60
 aatgtatgta tacatgattn tgatgatgtc aaaagaagaa tcaaacaagg ctcatnttgt 120
 ttaaagatta atacaagatt gtttcaacaa acaaagcctt gattcaagat ttcttcaaga 180
 tcaagccttg cctcacaatg aaagggttca agtcattcaa ggcacatgta atcgattacc 240
 aatacatgta atcgattact aatgggttga aagtgtgtaa tcaattacac atcatatgta 300
 atcgattacc agagacaatg aacgttgagg attcaaatnt taaatgaagg ttcacaattg 360
 ttcaagaaaa acaactgtgt aatcgattac actaattctg taatcgatta ctagagagga 420
 ttttcaagga atatcgccaa cagtcacatc ttatcatttg gat 463

<210> 1768
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1768

gcatgcaagc tntctgctca tagaacanna tttnttcttc ctctcttaat tctccaacat 60
 ctgaattcaa tttctcaaaa gtgtgcctaa attctctctt cagggcactg taagagtgtc 120
 tcagcctctc tttaagctcc ccttgcttcc tactgttgta ttttggcata gaccaaattc 180
 gtccagtaac aacttctct tctcttttca ctttgtattg gccaaagtagc ccaactcaatt 240
 ggccatcata tgagcatttt tgctcccacg catcagcaat aaaatcagca gatcctggaa 300
 cttcaagatc ttatcatcac ggtatatcgc cagtcacaaa gttcaaatag ggagcatcaa 360
 tatcttcac ataagcatct ttgatacgcc ggtaaagtct acccaggaat ttcttcgacc 420

tgtaagactg gtgcegtctt ttcccatga natcagggtg caattttggt ttcagatg 478

<210> 1769
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 1769
 acacatttta attttatagg gataaaaaat atatacaaaa ttttacctag ataagattta 60
 aacattttta tatttattgg aatataaaaa catattttag tgcaatatat atgactggat 120
 tatgaaagaa acagcaaaga gaatattaaa aacatctaata ataaaagcaa cttttccaac 180
 taagaatata tataagtga tattggatgt aatatttaata ttcttaaaat caaatcaaat 240
 taactcttgt gatgatcgga acaaaaagga agttggcatg aatgcagcct tctggcgtag 300
 tacctgtaat attgtggtaa gcgcttctgt acttgatcgt atcaattatt ctttataaat 360
 aaaaaaaca atcgaagtta gtatcgacgc gtatattttg aaagttgaag acgtgtttgg 420
 ataaattgtg aaaccgacgg tgaccttaca cttga 455

<210> 1770
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 1770
 agcttgtata ttctgtttgt ggtaggctgg aactatagtt cttacacaac catggcatga 60
 tttgcactgc agaatagatg gacctgctgc atatgatgtt cttattaatt ttgagcagcg 120
 atggagaaaa gcaactaagt ggaaagagtt tgcgatcctt ttcaaaaata tcctctcaat 180
 ggcatggcga tgctttaata agaatagaac gcacttgaaa ggataaattg gattattata 240
 ctactctagg ggatgaccct gtagtatggg tttctagtga agctgatcct gataatagca 300
 tgttcaggat ggacaatgca atcttagttt tgagtgcgt cacttgcttg ctatattttc 360
 ttgattgtgg agataaatac tttcattaca ttgtattcca acccttacag atcttacact 420
 ccgttgactc 430

<210> 1771
 <211> 454
 <212> DNA

<213> Glycine max

<400> 1771

agctgccttg tcccttgata tatttgaggg actcatgac actatgaatg acaaattcct 60
tgggataaag gtagtggtgc catgttttca aagcccatat taaggcatat aactccttat 120
cataagttga atagttaagg gtaggaccac ttaacttttc actaaaataa gcaattggat 180
gaccttcttg catcaataca gcccgaatcc caacatttga agcatcacac taaatttcaa 240
aagatttttg aaagtttggc aacgcaagta tggcggaatt agttagcttt tgcttaagaa 300
cattggaagc atcttcttgc ttctctcccc atttgaaacc aacatctttc ttgagcactt 360
cattgagagg tgctgccaat gtgctaaaat ccttcacaaa tcgtctataa aaacttgcta 420
agccatgaaa actcctcacc tcggtcacgg actt 454

<210> 1772

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1772

ntgcataccc caaggatcca ttaggaaatt acttgtagaa gagagccatg aggggtgggct 60
catgggccac tttgggatag acaaaaccct tgtcttactc aaagaaaagt tttattggcc 120
ccatatgaag aaagatgtcc ataagcattg cactaggtgt gtggcttggt tacaagccaa 180
gtctaggggt atgcctcatg ggctatacac acccttacc atcccatctg caccttgggt 240
agacattagt atggactttg tccttgggct tcctataacc caaagagggt tagactctat 300
ctttgtggtg gtggataggt ttagcaagat ggcacacttt ataccatgcc acaagggtgga 360
tgatgcttcc cacatctcac aactctnttt cagggaaggt gtgagactac atggtatgcc 420
tatgaccatc gtgtcagata gagatgctaa gttccttagc ca 462

<210> 1773

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1773

ngagctngca aaagaatgct acaagaatgc tctcgcaatt atgcacacaa gagtcatga 60
 aggtgtggca cgcatttata atcagaaaaa tcaaagaaaa gctgcatatg atgagatgac 120
 caagctaatt gagaaggcag agagcaatgc ctcagcatat gagaaaagat cacaatactg 180
 tgaccgtgag atggctaacg ctgatcttga tgttgtaaca taacttgatc ctttaaagac 240
 ctacccatat agatacaggg cagcaggtag tctccctagt agctcactct actatctgcc 300
 atttgagctt atcaagtaac catgttcaat ttaaccatct gtagttagat tactacttaa 360
 caagtttggc atcagcattg aaattaatca gatagtgtgc gggatctg 408

<210> 1774
 <211> 482
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1774

tcttaagtca cctgcangct gcagctntat agaactccnt taaaaaatca cttcggaatt 60
 taagtttgat tatgcacacc atgctgataa aattntatctt aaaacaagtt catcagttta 120
 tcttaaaaaa attaatatac aatgtaccgt tgaaaataga aacaattatc aaaagtctat 180
 tttttctaatt ttggtgggta tggtaaacad aacactcatg attgaaaatt agatagatga 240
 aaacatcatt ccatcatatt aatggtgcag gtatatcaaa tgttacacca attagaaagc 300
 attatgaata tgattagtaa atgtgtgatt atacatttaa attatttttt aacatcacia 360
 gtgactgctt cagaaatcag aattgatgat antttactag aaaacaaaaa ggaacttgag 420
 acattattaa taactatcca gtgttattac aaaagcatat atgttattat caatcaatta 480
 cc 482

<210> 1775
 <211> 448
 <212> DNA
 <213> Glycine max

 <400> 1775

agcttgttct gaactatagc tatcgaatgg ccaacatata ttgagatgct atgagcatgt 60
 cgactacata gagtagtata tagatgtggg aaccatctc caccttacta tgataaacac 120
 atgagtcaca gggactttcg atgtcccatg agagacaatg aaatcattaa atctcttgta 180

ccactgcctt agtgagtgtc tcaaccata aagagatctc tttaatctac agacataatt 240
 ttcttttctt ttactttaa aaccttcagg ttgtagcatt agaatgtctt cctctagtct 300
 tccatggaga gaggcagtta tgacatcgag ttgctctaac tccaagtcct tagttgccac 360
 tagggccagc agaacacgta tgaagggtgtg ttgactacca gatgtgcttt ataacatacg 420
 tgctgtataa aagatgactt cttcagtc 448

<210> 1776
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1776

tcaagaataa tggcctcaac aaactttctta tttccagaag gaaattcaat caatagacct 60
 ccaatcttta atggaaaggg ttaccactac tggaaaaccc gaatgcaaatt ttttattgag 120
 gcaattgact taaacatttg ggaatccata aaaatagggc cttatatacc caccacagta 180
 gaaagaacca caatagatga aagcacaaca agtggagca caacaataga aaaacctaga 240
 gatagatggt ctaaaaagga tggaagacga gtacaatata atttaaaagc caaaaacata 300
 attacatcta ccctaggaat ggatgaatat ttcaggggtt caaattgtaa gagtgtctag 360
 gaaatgtggg aactctaca agtaacacat gatggcaca cagatgttaa aagatctagg 420
 ataaacacat taactcatga atatgaacta tntangatga atg 463

<210> 1777
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1777

tactaagctt aacatcagac cacttccagg gtgctggaac tacttcacat ggatttgatg 60
 gngcctatgc aagttgaaag ccttgagggg aagaggtatg cctatgttgt tgtggatgat 120
 ttctccagat ttacctgngt caattttatc agagagaaat cagacacctt tgaagtattc 180
 aaggagttga gtctaagact tcaaagagaa aaagactgtg tcatcaagag aatcangagt 240
 gactatggca gagagtttga aaacagcaag tttactgaat tctgcacatc tgaaggcatc 300

actcatgagt tctctgcagc cattacacca caacanaatg gcatagttga aaggaaaaac 360
aggactctgc angaggctgc tanggtcatg cttcatgcc aagaactgcc ctataatctc 420
tgggctgaag ccatgaacac agcatgctac attcacaaca gagtacact ca 472

<210> 1778
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1778

atcttaagca cctgagctgc agctatgctg aacattaca atagacctct tcaacctcaa 60
cagcaaaata agccacaaca gaacaagtat gacctctcca gcaacaggta taatcccggg 120
tggaggaatc atcccaacct tagatggctg agtccttcac aacaacaaca acaacaatag 180
ccttattttc ataatgctgc tggcccaagc agaccatacg ttcctccacc agtccagcag 240
caacaacaac aacagcagca acagcaacag tcccaaaaac aacaaacagt tgaggctcct 300
ccacaacctt cccttgaaga acttgtgagg caaatgacta tgcaaaacat gcagtttcaa 360
caagagacca gaggctacat tcagagctta actaatcaaa tgggacaatt ggctacacag 420
ctaaatcaac aacaatccca gaattctgac agattacctt ctcaatctgt ccagaatccc 480
aanatatga g 491

<210> 1779
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1779

ctagataatg gacacacatg aacagcgcta ggcaatgaca ttcattggtgc tccatacaaa 60
ggtaggagagt ggaggatcgc cttgaggggc ctctcttagg caatcatgaa actcagctcc 120
aaactctaaa gtggaggaca catgaacagc cctaagcaat aacattcatg tggctctgga 180
aaaggatgag aatggaggat tgccttgagg gtcctctctt angcaatcat ggaacacaac 240
tccaaactcg aaagtggggg acacatgaac agccctaagc aataacattc atgtggctcc 300
ggaacaggat gagaatggag gattgccttg agggctcctt cttacgcaat catgaaacac 360

agctccaaac tcgaaaatgg atgacacatg aatgacaatg caattcattc atg

413

<210> 1780
<211> 361
<212> DNA
<213> Glycine max

<400> 1780

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat attcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcate ttctttggag 180
gatggacatg tggaggagta actggtttct tgagggtgcc ataggtagca gttgtccttt 240
gatctgttgc ccttcattag aacttcattc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagtcta cattgaatcc ttcacacac aactgactga tgctgatcaa gtttgctgtc 360
a 361

<210> 1781
<211> 343
<212> DNA
<213> Glycine max

<400> 1781

agctttgagc aaattcaaac gacaataacg tttactcgga tgttcgattg tgtcccgtag 60
aatatcgca cgctcaaaat tgaaaataga agctctgagc aacttcaaac gacaataaat 120
ttttactcgg atctccgatt gtgtccata atatatcgag acgctcgaaa ttgaaaacag 180
aagctctgag catattggaa cgaccttaac ttttttctcg gatgtacgat tgtgtccctt 240
agtatatcaa gacgctcgca ttgacttcg gaagctctta gcatactcaa acgacaatat 300
tctttacctc ggatgtccga tagagtcttg caatatatta aga 343

<210> 1782
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1782

tctaaactnt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
tcttaagaag ggggggttga attaagatat tacaaactat tcccccaatt aaaattctat 120
ttcactttct attcaagtta caaatccct taataatgaa cttcttaaatt attgattcaa 180
atagaacaat ttgaatataa atataaaaca ataataaata aaggagttaa agggaagaga 240
aagtgcacac tcagatttat actggttcgg ccacaccctt gtgcctacgt ccagtcacca 300
agcaaccgc ttgagagttc cactatcttg taaaatcctt ttacaagttc taaacacaca 360
aggacaatcc ttcctttgtg tttagaattc ttttacaaca agagaccctc ggtctcttaa 420
tcccttagag aattagaaag agaagaagaa tgaatctc 458

<210> 1783
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1783

gttgacggac tataccaagc tctaggtaac caggacggag aatgatctat atataggctt 60
gctaagggtg gagagaggaa gactagagat ttggatcaag taaagtgtgt taaggatgaa 120
gaaggcaaag tcttagtgca tgaaaaagat atcaaggaaa ggtggaaggc gtatttcac 180
aacttattta atgatggata tggatatgac tctagcagtc tatacacaag agaagaggac 240
cggaactata agtactatcg ccggattcag aaacaggaag ttaaggaagc gttgaaaaga 300
atgagtaatg gtaaggcggg gngccagac aacataccta ttgaagtgtg gaaaactctt 360
ggagatagag gtcttgagtg gtcaccgaa ctctttaacg aaattatg 408

<210> 1784
<211> 378
<212> DNA
<213> Glycine max

<400> 1784

gcttggccat attagactta ataatttgat tgttcgagta taacattaca aggaaatgtt 60
tttaaagaaa tcataacatt gatctggtac tacaaaaaaa ttagagattc aactttcttc 120
actaataatt aacaactaag atttattgat aaaaaaatga tatattattc tagaagtatt 180
catagatcaa tcaaattgtat tgataaaaaa catagatcaa tcaaatttta tgaagattgg 240

aaaaactcaa tatggaaaag tgaaaaaaga aatatgtagt attaaacata tttattttaa 300
 agcatgtaag ccaagtctaa ttacattaat aaaaaattaa cataaaaaaa tgtatcccaa 360
 acattcagtt tggaaaat 378

<210> 1785
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1785

tatggatgat gaagacgcaa gttttgtgta tcatatttca tacacagatg acagttctgt 60
 atgcttacca acccatccag gatgcttctg cataataaca gcaaaagcag tcatctgttc 120
 taagataatg aaatcaatca tggaagtatg gttggctaca aaaacctgct caacaaatga 180
 agggaaactc aaattagtaa taaatagcat ttactcttcc tagaatatgc aaataaggat 240
 aatacaacat taaacaaacc tgctttggtc tctgctagg cctgggtcca tgatacttaa 300
 caacccagc ccaagatgca acaaagaaac tgcacatcat ctctaccaa gacctctgaa 360
 ggaaatgaac aatntacaac acacattgat gaacaaaagg agaattgtgcc aaagttaata 420
 ttagaaacca agaattgata tgagatagaa aagaaagaac tttactgaat ag 472

<210> 1786
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1786

ctacgctcgc taccatgga gttcctaata tctccacact tttgggtggg ccattcttgg 60
 atggccttga ttttctcagg gtccacttgg acctgatttc taccaactac aaaccctaag 120
 aaaactatat tatctacact aaaagtacac ttgtctatat ttgcatagag ggtgttttcc 180
 ctaagaactg aaagaacttg cctgatgttt agccttccat agacatcaca aatagaagaa 240
 caaacaaaat tgcacatgag agagaagaac atacttgaag atatgaatta tatacaaaga 300
 acaagtaaga gaaaacgaga gagaagagnt tgatctaaaa cttgcactag aagtttctaa 360
 aaatgggttc tttttacaca aatgactgta actaactaac taactaacta actctgaana 420

tatactcagt agaaaacatt atactc

<210> 1787
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 1787

agcttatgca ggcagagttc gagatgagta tgattggaac attgatgcct tacttggact 60
 ttaaatacaag caaagcagat gaaggaatat acatacatca aaccacgtat gtgatggaac 120
 tgctcatgaa gttcgagatg gacaatacaa tgtcaatgaa gacctctact catccaacca 180
 ttgtgcttgg attggacaat gtgtctaagc aggtgagtga aactgcatat ccaggaatga 240
 taagatctct tcgatatcta tctacttcca gaactaacat tatgctcatc gtatgagagg 300
 caacctaact gctccatggc atttgataga agactccaag acgattatgc catagatgca 360
 tgag 364

<210> 1788
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1788

agcttggcctt taaaaagttc accttaagat ccgtaacaac ttcaaagcac ctcataattg 60
 cctttaatgt gaggacgttc attaaagttg gttttcctag gaagagggtta tcatccgcaa 120
 attgaaggat agataaagaa aagtcacctt ctctaaggg aataccttca aaaaagatat 180
 tgtttcaccg cttctcacat caagtcacca agacctctg ccaccatgat gaaaaagaag 240
 agggctatgg aatccccttg gtagagacct cttttaccct taaattcttc cgtaggactt 300
 ccatttatca aaatagactt ataagtgaat ttcacgcaac atctaacca cttaatccat 360
 attncactaa agtttattct attcataata tagttaaaaa aacgtcacct agtgggagct 420
 tctcacctaa tccactctca ataagatgtc ctgactattt tcatacactc tatcaa 476

<210> 1789
 <211> 438
 <212> DNA

<213> Glycine max

<400> 1789

gcactctgtgt gcaatacata attcttggta caccacaaca caatggtgta tcataaaggc 60
gtaatataac tttaatggat atggttatga gtatgttaat caattagact ttacctgtat 120
ctttatggat gtatgccttg aaaactgcc a tgtattttgt gaagagggat gctagttaga 180
cagcttctaa gacgacttat gaactgtgga caaataggat acctagtata aggcactctc 240
atgtttgggg ttgccatgca gaaataatga tttataatcc acaagagaga aaattggatg 300
caagaacaat cagtggatat ttcattgggt atacagaaca gtttaaaggg tatatgttct 360
attgttataa tcatagtatg agaattgcaa aactggaaat gcaaggttca ttggaaatga 420
tgaaatcaga gggagtac 438

<210> 1790

<211> 456

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1790

tataganatc aaacacgata ataaattatc ctacattat aatagaaaca tatgtgcata 60
aataacaaat aagtcataag tcatcaaac acaaatcatt tgtctaagta acttgcactc 120
agaagttcta attctcttct aatggtgtag aaagagtctt tggttagtgg ttttgtaaag 180
atgtctgcaa gttggttttt agtgtctata aattttttaa aacacaatca cctttttcct 240
aagactaagc gctaattgac tatcaacact taccaagatg agtttttatt atcataaaaag 300
gttntatcat atcaaaataa ttntgtttga aatacaatat aataattttg aaaagcataa 360
aaaatatttt gaacaatcaa tcaagtaatt caaacatatc anacaagaat tatacaagga 420
ttgaaggata tagatcacag gcattatcaa acattc 456

<210> 1791

<211> 375

<212> DNA

<213> Glycine max

<400> 1791

gtatatggac gaaagtgcaa tactcctatc tgttggtacg atgatggaga agcactactt 60

cttggacctg aaatgctaca acagattaac gaacaagtga agttgattcg agagaagata 120
 aaagcatctc acgataggca gaagagctat tatgatagaa ggaggaagcc actagattct 180
 catgaaggag aacatgtgtt tttgaaggtt tctcccatca ccggggctctg aagagctctc 240
 acatctatga agttgacgcc caagtatcta ggtccatata aaatcttgaa gaagggtggg 300
 cctgtagctt atcatatcgc cttacctcgc agtgtatcaa attcgcata tgtgtttcat 360
 gtctctcaac tgaga 375

<210> 1792
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 1792
 atatataagg tcttccaaa ctcttagttc gtagtagttg aaaatttaaa atgagaatga 60
 actaaacaaa tattatatta atttttaag ttttagtata cattaatttg atacaatctt 120
 ctataatttg ttgggtgaagc aaacaaagta ctaaaaaag aaatcaatgt tttattagaa 180
 atattaaaat tagatttttt acatgcatgc aatgcaatgt ttacataata ttattaataa 240
 tactagtaat tgttttcatt cttaaaagaa aattaaaatt attttttaat taaactaact 300
 tgagataaat tatattgcaa agatattggg taaattactt attgttgaat gaggtgttta 360
 aattgatcga acgagatgtg tgaattattt tattattaaa ttctaactta taaattttta 420
 atataaaaatt gtt 433

<210> 1793
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1793

taagcttcct gctatggatg tgttcatatg cactgctgat gcaactaatg aaccaactat 60
 ggatgtgatg aacacagtta tatcagccat ggactggat taccctctc agaaacttca 120
 tgtgtatgtn tcggatgatg gagggctctc attgattctt catggagtga gggaggcttg 180
 taagtttgct atgtgggtggc ttccattttg tagaaggcac aaaataaaga acagggtgcc 240

taacgctttt tttttttatt cacaaatggt agtagttcat attctttggt agcagaggat 300
 caaccccatg aactttttct ccttctcttc tcccttaacc attcaacca ttttatatta 360
 tcatgtgtcc caaggcttac ttctctgctt tgaatgataa tgatgatggt gatcttgcaa 420
 cgagtatgtg ttgtcatgga agat 444

<210> 1794
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1794

agctngcatg aattcacatt ctcccctttc tcaagcaaatt tttcttgac atgatcaaga 60
 ttttcatgat ttacattctc ccccgttttg atgatgacaa ccacctgtag gttaggagca 120
 aaaacaaaga aaaatatctg aaattctgat accaatgccca gatgtcgtac aggatgtcac 180
 gacatcacgc ttcagaacat gcagattata tttgagagta tgaacagatt aaacaggtaa 240
 ataacacaag agaattgtta acccagttcg gtgcaatgtc acctacatct gggggctacc 300
 aagccaggga ggaaatccac taaaatagtg ttagttcgaa gatctaacag ccaactgttta 360
 caaccttctc acctaacac taccgtgca atctctacct aagagccact cttagatatg 420
 agaaccctc tcactcctc tcaatcactc ttccgtgttt acaataaat c 471

<210> 1795
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1795

ntagatcaat tcaaattggtc ataagctttc actcggagggt tcgattcagg cgcataatat 60
 atcgaggctc tcgaaatata gcaacggaag ctctcgagaa atttaaattg tcataactnt 120
 tcactcagag gtgcgattca tgtgcataat atatcgagac gctcgaaatt gaacaacgga 180
 agctctctag aaattcaaatt ggtcataact tctcactcag aggtccgatt caggcgcata 240
 atatatcgag acgctcgaaa ttgaacaacg gaagctctcg agacaatcaa atggacataa 300
 ctcttcactc ggagggtcgca ttcatgcgca atatatatag aggcgctcga aattgaacaa 360

c

<210> 1796
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1796

agcttgcaaa gatattntat gggccctacc aaatcgtgga acacatgggc aaaactgctt 60
 acaaactcca ngttgtgaaa gatgctcgca ttcattccagt tttccactgc tcattactta 120
 agccctntca tcaactccacc atagagccca tcacccattt acctctgcct gtcaattgca 180
 tgaactgcca acctctgatt gctcccttgg taattctggg ttgtcgtgt aacacggaaa 240
 attcaggtgt tgggtgctgtg ggacgacctt ctacctgaag agacatcgtg ggaagattga 300
 gagccattga aagctacctt ccaccttaag gacaaggtgc tttccaagc catgaggaat 360
 gata 364

<210> 1797
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1797

agcttcttat ctaaggcact cttttggtgg tgaatcttct tcttccatgg cttattctct 60
 agtggatggg gctcctctc acctcttctc ctttatcttt cgctataact ccatggctga 120
 aaatcaccat tgaaggacct tattgaagct caaagatcaa gctccatag aagcttctca 180
 accaagcttc catcactcat gattgtcatg tatgaatgca aaaactatnt actgtagcaa 240
 ttcgtggtat ctttctgac aaagttaggg ttgccataac tcgtctatgc tttctttnta 300
 atgctatcta tagcaaagtc attgacccta gaaaattgga tgaattggag aatgtggctt 360
 ccattgtcct ttatcaaag gagatgtatt ntctccatc attntttgac ataatggctc 420
 acttaattgt tcatctggcg agggg 445

<210> 1798
 <211> 443
 <212> DNA

<213> Glycine max

<400> 1798

agcttacggt ccatgacctc atacattcgc tcttattggg tatatcccac tagttttctt 60
cttaaaagct tgctaatttt atgccatgca gataggctat atggaagtat ccacatacaa 120
cagagggaag ttgaaagggc gtagaaacta aacatatttc aagcgtttca ctttaacgca 180
caattgtcta atgaacagag ttgcactcat ctacaatttc aagctgacgt acagcataag 240
tatccatttc cctcgacatt aactcaaatt ttgtgtacag aacataaaaa tatttgttac 300
taaatactga ttctgactag gacaggatag ccatgacatc tgaggccctc aaggcaatgt 360
agacagaacc atctctgccc ttgaagtcac tcgctgcata tctggagtac agaactgtat 420
tcccaggcat gacggacaat ggc 443

<210> 1799

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1799

agcttctggt gggacatctt gacttgcttt ccattctgac attcaccaca gattctgcct 60
tcttctatct tcagattgag gatgccttta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac cttcttggag 180
gatagacatg tggaggagta gctggtttct tgggggtgcc ataggtaaca attgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttta cattgaaccc ttcacacac acccgaccga cgctgatcaa gtttgagtn 360
agtnccctta ccagcagtac tttgttcaga ctaggaagtc catcatgagc tagctttccc 420
attccaatga tctttccttt agagccatc 449

<210> 1800

<211> 350

<212> DNA

<213> Glycine max

<400> 1800

aaagcatttc tttcaaggat aaaaacaagg tccatgtaaa ttaagaatag ctatccacaa 60

tcactaaggc ataatagttc cctcctatac tcatagttct aaaaggacca aacaagtcta 120
aatctaagag ttcaagcaat ctagagggtg aaatcatatt tttagattta aaagaaattc 180
tagattgctt tcccttttga catgcatcac acaagtcac cttcccaaac ttaaacttag 240
gaagtcctt aaccaactta ttgcctctaa gaaactctga gatcaatata tttatcttcc 300
cgtgtttgat taccactaag cattgatata aaactaagtc taaaacaaaa 350

<210> 1801
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1801

tgaccaggaa ttatntgtat gggttggatg ttgaattctg gttgttcttg gtgcggagat 60
gatggtacag agggatgaacc angagctgaa gtttcttttg gtgaggtagc catggaaaag 120
caaagcgttt ggaatgattt cgtaaatttc tgagagctgt tggggaatgc agaaaacgag 180
attaacacga gaatataagt ttgaatgagg aatgtagagg gacgtgtgaa gcaacggtcg 240
aatttgcttt ggttcagtag tgaacgtgct attaattgta agtgattcgt ttgggcacgt 300
tcagatatca gtagttgcta caattcctct agcagacaaa tgcccagctt gccctcagt 360
ttttcaaact gttttgcac caatgccttt gtgaaaatat ctgctatttg ttctcagtg 420
tcaacatgct ccagtgtgat aactttatca tcaacaagct ctctaataata 470

<210> 1802
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1802

agctngccaa aggtcgaana ggagcttgct cgatcaattg agcaagacca aagaaaacat 60
gtgggccatc atcgaccaat acaaggaaaa gttaagccta gcggttaactc acaaacaaag 120
gctagaggac gactacgtga aggtataagt cctgcaagtg gaaagggaag caagggaag 180
ggatgatgat tcattacaca gagaagcaat gatgtggatg gataggttct cctttactga 240
aattctgata ctggggacag atgtcgtaca ggatgtcacg acatcgcgct tcagaacatg 300

cagcttgat atgaccgtat gaacagatta nacaagtaaa taacacaaga gaattgtaac 360
 ccagttcggg gcaacgtcac ctacatctgg gggctacaa gccagagagg aaatccacta 420
 aaata 425

<210> 1803
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1803

tcaagatgta gttaagatac ctgacaactt ctgttcgtgt ntgttgcttg atagaaacac 60
 agatgctaga tataataata tgaggaaggc tgcttctcgg gcagattccg gtgacaacta 120
 tttatactgt ccaaggggtg tagatctaca ggatgaggat ntaaggcact ttcagtggca 180
 ttgggaaaag ggggagcctg tcattgtcag caatgtgctn gcaaaaacat ctggtttaag 240
 ctgggaacca cttgtcatgt ggcgtgcatt ccgtcagatg actaagacca agcatgaaca 300
 acatttggat gtgaaggcaa ttgattgctt agattggtgt gaggtttgtt taattttctca 360
 atcttgaact tgcaggggaat ttgacacaaa ttccattgct catgttcatt ctcatgaagc 420
 ttatgtttta attgtgtaat gttggtactt attttaactg gaaccactga 470

<210> 1804
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1804

agcttaacta actccaaggc atcacctgct gctttatact ccgaatcggg agttctcacc 60
 taccagaagt tccagaatcc agtacagact tctatttcag cttatgtgtg agtaaaatat 120
 tgctcaaata ataaatcatg ttgatgttgc tattcaggaa aaataacaaa ataccaataa 180
 attatgttaa taataaaggg gttggtatgt gttgatggta aattatggag ctacttattt 240
 acctgcaaca actccccgca ccctaagctc ttttgataac ttttcaacaa attgtcgggg 300
 attgagatgt cgaacgcttg aaaattcaac ctcaaactct tctgggacca tggtacagca 360
 ataaggaacc caagatgaaa gaattcgctt tcggtcacat ttagcaacta taggagccct 420

gttagggaaa catttaacaa aatagacgtt attntacaca tggagataac aat

473

<210> 1805
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1805

ntaagaagtt gtcaaacatt aatgaataga aaacaacata ttgtagttgc tactgacaag 60
aatcaaaact tggtgaaaag agaatatagg attcatttga tggcaacaat tgattgtatt 120
catttctatt gaagcaaaya ttgacatttc gtggtcatga tgaatcaatt tattcacaaa 180
atcaagataa ttctattgag cttctacata ttcttgacaa tcataatgaa gatattgata 240
acgttctaaa aaatgctcgt ggaaatctca aaccagtggc acctaattatt aaaaggatat 300
tgtgatagct gccgcttggt agaccaccaa aattattggt gatgatgtta gagatgattn 360
ttttgccatt ctaattgatg aatctcgaga tatatcaatt aaggagcaaa tattggttgt 420
ttttgttatg cagataanaa tggaagtgtc a 451

<210> 1806
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1806

tactatgtcc caacaatcct actagtagtt cctgtggact cttggtgcat aaacattctt 60
gccaatecaa aatcagaaat tnttgggttc atattctcat caagtagtat gttactagct 120
ttcaagtctc tgtgaatgat ttttagtctt gagtacttat gaagatagag tattccttga 180
gaaatccctt ctattatggt gaagcgcttc ttccagtcta gtaacatgct tctagtgcaa 240
tcttgatcaat taaaacaagg cagtatgtgt tagaatatat actatacaag agtaatacac 300
tgcaagacat acatagttat gcttaagata ggaaagcata agtaaaggat taaaggaatc 360
atccgtaaca attattgaaa aattcagtca gaanacttga aatttcttca taagagcatc 420
gatggtatat ataatt 436

<210> 1807
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1807

taaatcttaa taattagtag gatgttcttg gcactttctca tgttaaattg ttcacattat 60
 cttaatat tttaaactttc tttcacaaaa gtaacaaaat aaattatttt ctataaaata 120
 cactgaacta catctaagct taatcaactt tagcaaagta tcattaaatt ttctcataga 180
 tgtatntatt ttataattaa tttatagaaa taactaattt tcaaaaaaaaa aatcatgaaa 240
 ttaacaaaat aaactatttn tacaaaatac accgaactaa atatgaattt aataaacttt 300
 agcaagctat catttaatct ttttcatana tggatttctc ttatgatatc atctactcat 360
 gtatcaaaat taatttcatg a 381

<210> 1808
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1808

tgtgggtgga ggacgcatga acgaaaacac aatttatggg tcttcgtaaa aggggtgagg 60
 atggagaatt gactaagca atcactacgc acggttccaa gctccagggg ggaggacgca 120
 tgaacgaaaa agcaattcat ggggctccga aaaagggttg aggatggaga attgcactaa 180
 gcaatcacta caaacggctc caaactcgtg ggtgaaggac gcatgaacca aaacgccatt 240
 catggggctc agaaaaaggg ttgaggatgg agaattgcac taagcaatca ctacgcatgg 300
 ctccaagctc ctgtgtggag gacgcatgaa cgaaaatgca attcatgggg ctccgaanaa 360
 ggggttgagga tggagaattg cactaagcaa tcaactatgca tgggtccaaa ctctggggg 420
 aaggacgcat gaacgaaaac cccattcatg 450

<210> 1809
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 1809
 cgtcttgctg gatatttata tgcataatatt tctgatgatc accgaggaac aattagggat 60
 caacttgaaa cttatgtgcn ttaagtgaga cgcacatgct tcttttttca nttgtgaaga 120
 tgttcaaagt ttggctatga agatgggtca cactgagaaa catttggtat ttccattggt 180
 ttataaactt attgagctag ctntgatatt gccgggtgctg acaacatccg ttgaaagagc 240
 tttttcagca atgaagaata tcaagtctaa attgcgcaat aagatcaacg atgtgtgggt 300
 caatgacttg atggtatggt acaccgagcg ggagatatcc aagtcacttg atgatattga 360
 tattattcga acatctaccg caaagaagtc tcggaaagga cacttgccctc gtaatttatt 420
 taaccgcgtt tgtaaattat gttatctctt tatttta 456

<210> 1810
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1810

agctagagcg taaactanat gccttggttt acctgttaac ctaactggcc atgggataaa 60
 aatctgcacc ttctgccaca ctctgtggtt tatgtctctc taccgaccac catacagacc 120
 tttgcccttc tatgcaacaa tctgaagcaa ttgaacaacc tgaagtttat gctgaaaaca 180
 tctacaatag acctcctcaa cctcagcaac aaaatcagcc acaacagaac aactatgacc 240
 tctccagcaa taggtacaat ctccgggtgga ggaatcatcc cgaccttaga tggcgaatt 300
 cttcacaata gcaacaacaa caacaacagc cttattatta aaatgctact gggccaagca 360
 gaccatacgt tctccacca atccagcgac agctacaaca acgacacatc ggacccgaaa 420
 tagcaa 426

<210> 1811
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1811

agctagctaa cccatggaag ctccataat ctctcactct ttntgnggtg ggccatcctt 60

ggatggcctt gattttctca ggttccactt ggacccatt tctaccaact acaaaccta 120
 agaagactat attatctaca caaaaggtag acttctctat atttccatag aggggtgttt 180
 cctaaggact ggaagaactt gcctgagatg tcttaagtga tcatctaggc tctattgtc 240
 cactaaaata tcatcaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
 atgcataagc ctcataaagg tgcttgggtgc attagtgcgc ccaaaaggca tctactagcca 360
 ttcatacaaa ccaaacttgg tcttgaaagc ggttttccac tcatcacc 409

<210> 1812
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1812

agctntacgc ggacaagcat cgtagggaag tctttttgtt tttgggactg ggctctggct 60
 cgacttcgtt cttacaggca gccctctgcc aaaggggatc actcaaccaa tgtgaagtta 120
 gctcgttgtt attatggccc atttcaggtc acagttaagc tcggggccgt agcttatcgc 180
 gtggattttt cggcaggcgt ttgcatccac ctggtgttcc attgctcgaa cctcaaacct 240
 tttcggggcg agacagactc caattcctca attcctttgc caccgaattt tcacgagaat 300
 caaccactca tatccctctt tgccattctg gngtctcgtc gtgcaacctc tgatcctcat 360
 agttcttggc aggttttggg gcagtggcag ggtctccac cggaggagac gtcgtgggaa 420
 gattgtgacc agtctttgca ggacta 446

<210> 1813
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1813

tatggctcgn ntgaattgct tagaccttat gttttcaatt tctagcgcca ctatatagta 60
 cgggacacaa tcggacatcc gagtaaaaag gtatagtttt ttgaatttac tgagagcttc 120
 agttttcaat ttcgagtgtc tcgatatatt acaggactca atcagacatc cgagttaaaa 180
 gttatggtcg tttgaatatg ctacgagctt ctgttttcaa ttgcgagcgt ctatagatatac 240

taagggacac aatcgcacat ccgagaaaaa agttaatgtc gtttgaattt gcacagagct 300
tctgttttca attttgagcg tctcgatata ctacgggact caatcggaca tccgagttaa 360
aagttattat ggtttgaatt ngctaggagc tactattttc aanttggagc atttcgatta 420
taacgggact caatcggaca t 441

<210> 1814
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1814

ggatcttaag cactgagctg cagcttgagc aattaaacga tgataacttt tttctcggat 60
gtcggattga gtcccgtaat atatcgagac gctcgacatt gataataaaa actctgtgaa 120
aattcaaaca acgataactt tttactcaga tgtccgattg cgttccgcaa tatatcgaga 180
tgctcgaaat tgaaaatgga agctcgtagc acatgcaaac cacaataact ttttactcgg 240
atggccaatt gtgtcccgta atatatcgcg atgtcaaaa ttgaatacaa aagctgtgag 300
cacatacaga cgatagtaac tntntactcg aatgtccgat tgcgtcccgga agtatatcga 360
gacgtcaaa attcagagta gatgttgtga ccacaatcta acgacaataa ctctttactc 420
ggat 424

<210> 1815
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1815

gcttctacat cctatgacag tgttgectca cttttgcttt tttgactcta gcaatagaga 60
cactatatag tggtagctgc actccaagaa ctttggatac aatcgectta ctgattcaaa 120
ctcggcaatc cntaaagca gctagatgag ttttgggtca atggtctatg ggttgaataa 180
tgtgataaaa ataacgcttc aatagtgtga tacatatata taagattatt aacatataat 240
gtataaaata aaaacacagc ttatataagc ctacatatc taatgtatgt gaaaaaagga 300
tttaatctta tatattatat cttagaagat aatctctaag agtataaaac tatcgtaaag 360

ttaaaaggaa taaaagttat attttgaaat atgttcgcat aagacttata ttaatattat 420
att 423

<210> 1816
<211> 352
<212> DNA
<213> Glycine max

<400> 1816
cttgagcttc gctcattacc tgtcataagc tattttttaca aagctcggct cggettatat 60
aaaagtgtgg ctgggccac gaggctatctt aaaagtctgc ctaacatcgc ccttgattaa 120
ccaattatct taaaacctag cgaacaacga actataagaa gaaccttagt caaatctgtg 180
tcagtactgt acaaatccaa aaataatgga ctaacataat catagtgaat tcaagcggca 240
caacacagcg tacatcatga gaaaataaaa agaacgtcat tttatgagac gtatgaatta 300
gacatggttt gcacaacatg aattttatct tacgtgcaca gtgtgtatga ac 352

<210> 1817
<211> 403
<212> DNA
<213> Glycine max

<400> 1817
cttgaatgct ctattcaatg gagttgacaa gaatatcttc agactaatca acacatgcac 60
agtggccaaa gatgcatggg agatcctgaa aaccactcat gaaggaacct ccaaagtga 120
gatgtccagg ttgcaactat tggctacaaa attcgaaaat ctgaagatga aggaggaaga 180
gtgtattcat gacttcaca tgaacattct tgaaattgcc aatgcttgca ctgccttggg 240
agagaggata acagatgaaa agctgggtgag aaagatcctc agatccttgc ctaagagatt 300
tgacatgaaa gtcactgcaa tagaggaggc ccaagacatt tgcaacatga gagtggatga 360
actcattggg tcccttcaaa cctttgagct aggactctcg gat 403

<210> 1818
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1818

ctaagctcgg agatttatca ttggttctac tcgatgacac cagaatatat agttggaatc 60
atcaagcttn tctgaaatcg aaggaaaaga ttgatgtgaa tgatgagagg aagtggacac 120
agcaaaattg ttttctgcca ttgatgaatc cttctaagag attggacatt agatcctcca 180
agttctgagt ctgtacgaaa tgctgttgga gttcttcaag agattggggc attgtcagtt 240
gatgaacaac tcaactcagct agggcagaag cttggctgtc ttcctattca tccatcaaca 300
ggcagaatgc ttatTTTTTc catatagatg atatgtcttg atccagctct aactcttgct 360
tgtgcattcg agtttaatga tccatntgtg catccactt tacctgatga atagaagaga 420
gcttcagctg ctagatctga gcttggtctt ttgta 455

<210> 1819
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1819

ntaatatata aaccaccaat attagatata attaactaat tatgtgttta cttcatctng 60
tttgaattcc aataagatac atatgtacag cttatgcact ttgatttttg ttatcgacat 120
ttatagtttg aaacaaaaat gcaaattgga ataataaatc atggtagcta gacaaatata 180
atTTTggtta atTTTTTaa gagataaaac tagtttatat tcatatgggc cgtcttgatt 240
aatTTgaatt tgaatttcaa gcgagatttg tgtatttggt aattntgggtc aaaaaatta 300
ttggttgacg aaattaattg atttaaaatt taaacaaaag ttaaatatgt tatgaacgaa 360
aataaatata taagcacaat tagaaacgt aaattaatct actgtcttag ttaaaatcat 420
gctggtgaac acaatctaga ggtagtgac atataacgag tggagatcct cttgagtga 480
g 481

<210> 1820
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1820

ngaaggacat acacaaagtg tgactatatg atgtgacaat cgttgtagc tagcatatac 60

tcacctcccc ctctaaaatn taattggatt gggttcccc caattcaatt aaatttattt 120
 cccaatacat acatcaaata ttcaactaat gcatgtgaaa ttacaaagca acccataata 180
 caaaaattag tctaggtatc ctaaaatata aaggetgaaa aatcctatat ttctagggta 240
 cctacctac attatgaaac cctaaatata aggccanana aaaaatgaaa ccttaatata 300
 atatgtacaa agataagtgg gctcatactt agtccatggg cccaaaatct accctaaggc 360
 cgatgagaac cctagagcct tctcttgcct ctctgggteta atcttcttgg agtcatctat 420
 ccaatggcct tggagggtag gaatgcatca ttcccttccc cttga 465

<210> 1821
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 1821

tctcgatata tgatgcgcct gaatcggacg tccatttgat aagttatgac tctttgaatt 60
 tcctgagagc ttgcgttggt caatttcgag cgtctcggta tattatgcgt cagaatcgga 120
 cttccgtgtg acaagttatg accattttaa tttctcaaga gcattcgttg ttcaatttcg 180
 agcgtctcca tatattatgc gcctgaatcg gacttccgtg tgataagtta tgaccatttg 240
 aatttctcga gagcttgccg tgttcaattc caagcgtctc gatatattat gcacctgaat 300
 cagactttcg tatgacaagt tatgaccgat tgaatttctc gagaggcttc gctgttcaat 360
 ttcaagcgtc tcgatatatt acgcgcctga attgacttcc gtgtgaaagt tatgacaatt 420
 taat 424

<210> 1822
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 1822

cgctgaatc ggacttttct ttgtaaagtt atgaccattt gaatttctcc agagctttcg 60
 ttgttcaatt tcgagcgtcc caatatatta tgcgcctgaa tcggacttcc gtctgacaag 120
 ttattaccat ttgaatttct cgagagcata tgggtgtcaa tttcgagcgt ctcgatatat 180
 tatacacctg aatcgggcat ccgtgtgaca agttatgacc atttgaattt cttcagagcc 240

ttcgttggtc aatttcgagc gtcccaatat attatgcgcc tgaatcggac ttccgtgtga 300
 caaagtatta ccatttgaat atctcgagag cactcgctgt tcaatttaga gcgtttcgat 360
 atattatgcg cctgaatcgg ac 382

<210> 1823
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 1823

actatgaata ctaagcttca tgggtctctgg tataggctct gggactttcc attgcaactt 60
 atgtggaggg caaagaaggc cttcttctgg gggccagagc cataagtgag acaccactct 120
 agaagagtta gacttctaac cttgtgtcag gacctatggg ccaaggaata gtctcaggta 180
 ctcaattttt acggaacgtc tgttttgatt tagctgtttg tagcacgtct caatgcgctg 240
 gttgaacgac atgcaatttt tacccttaca ttgaaagggt ttgcgattga ggggttttcc 300
 acttcaaatt gtgtctctgt tttctttcat ttctattatg tgctctatac tttattggta 360
 ctctgacag gtactcgcaa ggggtggaaa atatatgtac gttatctcgt cttactctgt 420
 tatagatt 428

<210> 1824
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1824

ngcttatctc ttcaggatgc tcaacacagt actgcatgtg ctcttcaac ttagacctac 60
 aacaagcaaa tagacaagag catataaatc ttctcacaaa tcacaacaaa ttcagcatta 120
 gcaagttcac atgtcacaaa ttcaataccc gaattccttg ttcaggctgt tcgcagccac 180
 gggtgctgcc tttccgcccgc cgtatttggc cacaaagtca tccttcacac gctccagaaa 240
 agccacaggc acctgtctcc caatcgattc atccgcaaca acacaataag ctacaaaaaa 300
 caagtgtgtg agtcagacat tcatttccaa aaacacagca ccgaacttca gataagccta 360
 taaacaaata ataacaacac gaatttcatt tcagttcatt ttcaaacaca tcaccgaact 420

tcanaatagc ctctaaacag atcagaacaa cacgaaattc atttcatttt caacacaaca 480
 ccgaact 487

<210> 1825
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1825

tattgtcggt nngaattgct tagaccttat gttntcaatt tctagcgctt cgatatagta 60
 cgggacacaa tcggacatcc gagtaaaaag gtatagtttt ttgaatttac tgagagcttc 120
 agttttcaat ttcgagtgtc tcgatataatt acaggactca atcagacatt cgagttaaaa 180
 gttatgggtcc gttgaatatg ctacgagctt ctgttttcaa ttgcgagcgt ctagatatac 240
 taaggcacac aatcgatcat ccgagaaaaa agttaatgtc gtttgaattt gtcagagct 300
 tcggttctca attttgagcg tctcgatata ctacgggact caatcggaca tccgagtcaa 360
 aagttattat gtttt 375

<210> 1826
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1826

agctntgagc aaattcaaac gatgataact nttactctct gatgtcggat tgagtcccgt 60
 aatatatcga gacgctcgac attgataata aaaactctgt gaaaattcaa acaacgataa 120
 ctttttactc agatgtccga ttgtgttccg taatatatcg agatgctcga aattgaaaat 180
 ggaagctcgt agcaaatgca aaccacaata actttttact cggatgtcca attgtgtccc 240
 gtaatataat gagatgtcga aaattgaata caaaagctct gagcaaattc aaacgataat 300
 aactttttac tcgaatgtcc gattgctgcc cgaagtatat cgagacgctc aaaattcaga 360
 ataaatgttc tgacccaaaat ctaacgacaa taacttttta ctcgatgtc tgaatgaatc 420
 ccgtaatat tgcgagacact cgtaatctaa aactaaagct ct 462

<210> 1827

<211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1827

gcttggagtt tccagtgcc attcgtcttc ttcttttagtc cagtcttctt ctggcttcag 60
 ttcattagag ggctttcctt ctgtgtccag catcttggga tgttcccage ctttgatgac 120
 agctttccag gttctgetat ctagtgattt gaggaaggcc accattcttg ctttccagta 180
 ttcatagttg gttccatcaa gaaatggtgg tctgttcact ggctcctnctt ctntctncat 240
 gttcatcaga aattatcttc ctagatctca ctcagtgtt tgcagtgcct gctctganta 300
 ccaatgaaat tcttgatact gggacagatg tegtaccgga tgtcacgaca tcatgcttca 360
 gaacatgcag atngtatgtg tccgtatgaa cagattttaa caagttaata acacaagaga 420
 attgttaacc cagttc 436

<210> 1828
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1828

tattaatata tgattaatat aattaannaa tatttgtaaa attagctgat aaattagttt 60
 ataaatgtta atagcataaa aatacatatt taattattta attatatatg tatgtattta 120
 atttgtttcc aataacgtgt catcataaaa actagggcaa tttttttttt aaaaaaatt 180
 gtattataaa actataaaat gtttgagttg tataaagcat taattttcta ctaatttttc 240
 ttttttttga acccaatttt tttttttgat atttttgtaa aagttaggga gctacatact 300
 ntttaattgta tttccttctt aacatggcat tccttcttaa cgtgaattat ctttatataa 360
 atggcttntt tttttcattg actgaaaant ttaaagatcc gagtgcacaa atgacatata 420
 tgatagtaag ttactgagct tttgttaaatt ttatacctga atntcatact taa 473

<210> 1829
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 1829

tcctagacat aagaatgcgc atcacgtaac aacttcttct gatgatgcc aataagggtca 60
tgagggataa tctcagctac cttgaagtta gcagatggct aagtaaactc tctgttttagg 120
tggtagcaaa gctcatatgt gcatcattta ggactttact ggcatagtaa atagagcgaa 180
gcatcttata cgctctgtc ctagcactgc accaacaacg tagtcactag caccacacat 240
catttcagac tctaggctgc aatttggggc cacaatcact ggagctgaca ccagcctccc 300
tttcatgggtg tgaaatgcta gcatacatc ttcacgcac ttatacacag catctttgtt 360
cgat 364

<210> 1830

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1830

tctcccaaa aatgggtgtcg tcagcaaag ggaggatatt cactagaact cttgttcttc 60
cctaccaaga agctntggaa gcaatctttt attgttgctt ccctcatcat tctgtcaag 120
ccttcaaaa ccaagtcaaa caatagagg gcaaaggat ccccttngtc tcaaattctt 180
tgaggcttaa attcagaggt tgagcttcca ttcactagaa tagatataga ggctgatgtg 240
aggcaccctt taatccatcc aatccatctg tcatggaacc tcattcttct catcatatga 300
naaaggaatt gccaagacac taaatcatag gctntttcga aatccacttt aaacaccatg 360
caggacctca tagacctctt angctctca agtacctcat tagcaaccan aacaccatg 419

<210> 1831

<211> 454

<212> DNA

<213> Glycine max

<400> 1831

agcttcatgc tgaagtatgt atgacaaaac tttattactg ttattcaaca catacaagtg 60
agcttgtaac aaatcttcta cacttggagt gataacatgc agtccttttg aacccttacc 120
gcccactctg tcgtcatggc gagactcagg aaggccaata ggtttagcct tttcaatgta 180
ctctgaataa aattcaatgg cttcttctgc aatgtacctt tcaacaatag atgcttccag 240

acgatgtaga ttcttggtat acccttttaa gatcttcacg tattgctcaa ccaggtagat 300
 ctaacgcaaa taaataggac cacaacattt aatttctctg acctgatgaa caattaagt 360
 aatcatgggtg tcaaagaaa taggaggaaa atacatctcc agttgacaca gtataattgt 420
 ggcttcattt tccaggccat caaacttgac agga 454

<210> 1832
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1832

tcaaagggtcg agatgtaga caagtggcct cagatatctt attattaggg ggttgaatta 60
 agatattcca aactacttcc ccaattaaaa atctatttca ctttctttt aagttataaa 120
 ttcccttaac aatgaacttc ttaaataatta attcaaataa aaaaattgag tatgaatata 180
 aagcaataat aaacaaagga gattaacgga agagaaagtg caaactcaga attatacttg 240
 gtccgccaca ccttctgtgc tacgtncagt cctcagcaac ccgcttgaga gttcactatc 300
 ttgtagatcc ttttacaagt tctaacacac aaggacaatc ctntctttgt gttagaattc 360
 cttacaacaa gagaccacag t 381

<210> 1833
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1833

ctgatatgga tattagatta aaggtaaaag ctggcacata ttatacattg tgtagggtaa 60
 tgagtgcaga aagttgtact atgcctaagt gggtagcatt aacaagatgg ccatttggtg 120
 gcttaacact aatgggacta atttgacgat atgaataaaa atttgttaaa gaagaagaaa 180
 catggtcagt ggctcctgaa tctaagatcc aagaggtaga gttggattta ttcgtaagac 240
 aaaaccatac ctgttggtac gttattgggtg caagacgaaa tagaggcaac ctgtgggtta 300
 atggacgctg aggttccggc cgacggctgt tgtattaaag ctagaagtgc tatgtactgc 360
 tctgatgaan aacgaacctg ttcttctgat tcttggggat agtattgggtc atctgtggcc 420

ttcccttcag ttgccactac actatta

<210> 1834
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1834

caagcttgag atattnttaa gccatacaat gtcttntaa tttgtacact ntgtcttct 60
 ggccatcaac ttgaaaacct agaggctgat caaaaaacac atcttcttca agaggacct 120
 ttagaaaagc agacttgaca tccaattgat gcattggcca ccttctcaaa cttgcaatta 180
 caactacaag ccttattgta tcaatccttg ctactggagc aaaaatttca ccataatcca 240
 caccttctct ttgcaagaaa ccctatgcta ctagtcttgc cttgtgcttg accacctctc 300
 ctttgggatt cttcttctact ttaaagaccc atttaactac aatagctctt ttcccttctg 360
 ggagagtcac aagatcccag gtatgggtct tcttaattga gcttaattcc tccttcattg 420
 cttgaatcca ttgaggttct tgcaatgttt cctctac 457

<210> 1835
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1835

agcttggact tctgtgttc tgggaacctc ttttcttta agtgtacca aaccaatca 60
 cctgggtcag gcacgactat ctttctgctt ttgttgctt gccttgcata gctcgcat 120
 ttcttttcaa ttgagcctt cacttgctca tgcagcttct tcacatactt agctttagtc 180
 tatacgtcct tatgcttaac cataacaatg ttaggcatag gcaacaaatc aagaggagtn 240
 taaggattac ccccatcac tatctcaaat ggtgaacaat tacttgtgct atggataagc 300
 cgattataag caaactcaac atgaggcaaa catgcttccc aagatttaag attttnttc 360
 aaacaatcct 370

<210> 1836
 <211> 464

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1836

ggctaagtcn tatttgatga tgccaaagac tcaagtcaag aatcaagagt cataacagtt 60
tcaagaatca aagagtcctt caatcaagaa tcaagattca agtgaagatt caagagaaga 120
ctcaagatat gcaagaactt caagaaaagc atcaagataa gtataaaaag attctttcaa 180
atgaaaagat tgaatagcat aaacagaagc acaaacaatt ttataactgt ttcacaaagt 240
agtaattgat taccatgggc atgtaatcga ttaccaatgt ttttgaatgt tggatttcaa 300
atttcaagag tcacaacttg tgataaaaca ttttcatatt tgtgtaatcg attacacaac 360
atttgaaatc gattaccagt gtttctaaac attggtattc anatctaaac atgaagagtc 420
acatctattg atgtgtaann tgatacacta aatggaaatc aata 464

<210> 1837
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1837

tatagcttac ttattatcca caaaaagctt cactccatca ctttccttga ttnttaattc 60
ttgtaataat gtgtccaacg agacagcttg gcaagcactc attgtagctg gaacatactt 120
agcttcacat gttgataaag ccactatgga ttgcttctta gaactccatg atattggtgt 180
tgcaccatac atgaatatgt aacctatagt actctttctg tcattctctgt ctctctccca 240
atccgcatca gtatatccca ctaattcttc tgagttgttg ttgtctttat ttggaaatag 300
aattccagta ttgatgggtcc cttttatgaa ccttagaatc ctcttagcag ttaggagatg 360
aggaattctg ggtctttctg tatatgtact taccagtcca atagcaaatt ccaaatcagg 420
tcctttgatga cacaagtacc tgagagaacc aacaatatgt ttgaac 466

<210> 1838
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1838

ctgcaataga tgccactnnt actcaatddd taaatgatat gttgacaagg aaacacaagt 60
atattcacia ggagaatatt gttatggaag gaaattgcag tgctatgata caaaaagatc 120
cttccaccta accataaaga ccctggaagt gtaaccattg cttgttcaat tggatgaagcc 180
acccggggaa aggttttcat tgatttggga gccagtatta acttaatgcc actctccatg 240
tgaagaacat tgggagagtt ggagatcatg ccactagaa tgactttaca acttggtgac 300
cggctcatta ccagaccata tggagtggat gaagatgtgt tggttcgagt aaaacattnt 360
atcttcccag caaactctat ggtaatggat atctatgaag ataatgac 408

<210> 1839

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1839

gcaattaaac gaaataatdt tacgcacatg tcatattgag tcccgtatat atcgagacgc 60
tcgtattgaa aacgggagct cgttgcaatg gcaaccgaaa taacctttaa ctcggatgtn 120
cgatttgagt ccgtaatata tcgagacgct tcaaattgaa aacagaagcc ttgagaaaat 180
tctaacgaga attatdttdt actcggtatgt ccgatggagt tccgtaacat atcaagacnc 240
tcnaaattga aaacggaagc tcatagcaaa ttgaaacgaa agtaacttdt aactcggtatg 300
gtccgattga gtccgtaata tatcgacacg atcgtaattg aaacaaaagc tcgtagcana 360
cgcanacgac aataacatdt tgactcggtat gtccgactgg agtcccgtat atatcgagac 420
gct 423

<210> 1840

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1840

gggggggttg aattaaagat attccaaact tttctcctaa taaaaatcta tcttacttdt 60
acttaagtat gaatcccttd atgacagtct tcttanatat taattcaaat gaagcaactt 120

gaatatgaat ataaagcaat aataaataaa ggagattaag ggaagagaaa atgcaaactt 180
 cagtttatac tggttcggcc acacccttgt gcctacgtcc agtccccaag caacccgctt 240
 gagagttcca ctaacttgta aatttctttt acaagttcta aacacacaag gacaaccctt 300
 cctttgtgtt tagagattct ttacaaca 328

<210> 1841
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1841

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 ttctgtctga aactccaaaa ctgcgcgacc tacattaggg agtcggttg cattaccacg 180
 acagtcaaaa agtggtgcca ttacttattg ggccatcact tcacgattct aacggatcat 240
 agaagtctta aagagctaata gactcaggtt gttcaaacac ctgaacaaca gatgtattta 300
 gctcgtctat tgnngtacia ctattcaatc cagtatcggt caggcaagac caacactgcc 360
 gctgacgccc tatccagaat cacggaacta gtagcgggac aatntctaata gctaacaata 420
 ccctaaccctt tgttttttt 439

<210> 1842
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1842

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 tctttaagta tgtctaacgc atacttcctt agtctaaaaa tgactaaata aatgttcttt 180
 tagttgagca atttttcctt ggtcatttct tatgatgact atatcatcta tatagaccac 240
 caagtaaaaa catctactcg atgaggtatg acaataaaaa actgaatggt ctgcttcact 300
 tcgttttatc ccaaaagcct gaacaactga gctgaatttt ccaaaccaag cacgtgggga 360

ttgtttgagt ccataaagag acctncaaaa ttgcaaacc aagctagact tcctctgagc 420
 aacaaatccc ggtggttgct catataaatc tetattcta 459

<210> 1843
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1843

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 taacttagct atcaccttgt acatacatcc aatcaaggag atgggtctgt agtcatcaaa 180
 tgactgggga tgtttaattt tgggaatgag agctatgaag gaagcattac tgcctctagg 240
 gaaactgcca tgtacatgga attcatcaac aaatcttctg aagtcagctt tcagcatatc 300
 ccanaattct ttaatgaatt tgaagttgaa accatcangt ccaggacatt tgtccncatc 360
 acaactccat actgcttctn tgatctcaa atctgaaaaa ggaacaacca aagactccct 420
 ctgctcctgg gttagtgaag agaaatgcac tccatcaaga gtgggtctac 470

<210> 1844
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1844

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 aaattgaagg aataaaagag gtagagaagt ggaactttga agtatgtctc acaagactct 120
 cattcatcaa agttacaata agtggtacac atgcttctat ttatagacta ggtagcttcc 180
 ttgagaagct ttcttgagaa aacttccttg agaagctttc ttgagaaaac tttcttgaga 240
 agcttctttg agaaaacttn cttgagaagc tagagcttat ctacacatac cctctcata 300
 actaagctca cttcttgag aagcttcctt aagaagattc cttgaaattc tgatactggg 360
 gacagatgtc gtacacgatg tcacgacatc acgctttaga acatgcagat tatatttgac 420
 agtggtgtcc gtttaaaca atagataaca caagagaa 458

<210> 1845
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1845

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 tacgtaggtc tgagttcctc atcaciaaatt gaggatacgt aggagcaaaa gccccgcttt 120
 tgtcgaccac ctgcgctttt gctatcgtga cctgtgagtc cgggtggcacg cggaaacacc 180
 cgatgggttat cgcgcacac tntttgctat cccatgacct atgagtcggg tggcacgcgg 240
 agacacccga tggttatccg cgcacactct ttgctatcca atgaccaag ggtccggtag 300
 catgcagaga taccttcggg ttatccgcac ctttcgccag ctagaggcaa gcgagcccg 360
 tgacatgcag agatcaacgt ggtcatctgc acctttcctg gagatgtca 409

<210> 1846
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1846

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 gcaaaacaat tatgacctct tcaacaacag atacaatccc ggatggagga atcaccctaa 120
 tctcagatgg tctagccctc aacaacaaca acaacagcct gctccttctt tcaaaatggt 180
 gctgggtccaa gtagaccata cgttcttnt tcaagtgaac aacaacaaca gcaacagcaa 240
 catcaataga gacaacaatc cactactaag gccctctctc aaccttcatt ggaagaatta 300
 gtgaggcaaa tgacaatata gaacatgcag tttcagcagg agacaacctc aatt 354

<210> 1847
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1847

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gctatttttg tattcattgt aactaacgga gattctaaat ttccacttaa tatgtgaaga 120
 tgtacctttt ctgagacctt attgctacta ccatttagta gctctgggtgc cateccaaggt 180
 agagttccac gaacaccacc agacaccaag gtatttcgct taatctttga taggccaaaa 240
 tcaccaacct ggtgaaaagc aagtttctta gctttatcac aatgaagaca atgtaataga 300
 atgaataatc cacagcttga aaagatacct tgcataatgg ccgcataatga tccttcaagt 360
 tcacgagcan atngtcacat ttcaagtcen aatgcacaat atttttcgag tgtaaattatt 420
 ccactccaaa agcagcattc atgggcaata tcagtctctt gcggcgtcaa gatacctgga 480
 ataa 484

<210> 1848
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 1848
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 tacccaatga agacccttat gctcacttgg ccacttatat agagatatgc aatattatca 120
 ggttggtggg tgtgcctgcg gatgcaatca ggttgagtct gttctcattt tctttatctg 180
 gagaagctaa gagatggctt cattctttta aaggaaacaa tctgaagtca tgggatgaag 240
 tagtagaaaa gttcttaaag aagtacttcc ttgaatcgaa gactacagaa ggcaaagctg 300
 ccatatcttt tttccaccag ttaccagatg aattgttgag tgatgcactt gaaagattag 360
 aggtttattg agaagactcc actcaagggt tttagaccaa tacagctcaa catattatag 420
 atgggtga 428

<210> 1849
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1849

agcttgcttc tacaaaaaga atacacacac atgacctcta tttatagcct aagtgtcaca 60
 ganaattgga ggggaaattg aatnttctat tcaaatttca cttgaattag aaattgaatt 120

tatggagcca aatttcggag ccaaaatttc actaattatg attcgtgaat tttagctatg 180
 gttcaaccca ctagtccaag atcaagtcca agattctcca ctaagtgtgc ttaggtgtca 240
 taagacatgt aaagcatgaa gtatatgcac aaagtgtgac tatatgatgt ggcaatggag 300
 tgtagcanac aaatgctcac ctccccgtct aanattaatt agattgggct tcncaaattc 360
 aattaattta tttccaacaa cacataaata ttcattaatg atgtganata caaactaccc 420
 taaacaaact 430

<210> 1850
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 1850
 actagtactt tggtttctag ccgtgtatth ggctatattha tgacatttga accattthaat 60
 gatgcaatcc ttcctaggaa gggaccaatc actagaacca tgagccagag gctccaagaa 120
 gattgggcta gagctgctga agaaggccct atggttctca tgaaccttat gatagatttc 180
 tgagcccatg ggccaagggtt gggccaatt atctttgtac atattagact aggatgtcat 240
 tatatttggt 250

<210> 1851
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1851

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 tcacctgacg aagacacttg acaaaactta tctnctcctt cttggacaaa gtatggcaag 120
 ctgggggcaa gtaacttttc ttcccatcag accttggaag caactgtgat cttataccca 180
 tatcagctag atcttgacgg gtattcaagc catccttcgt cttgccttga atggtaagga 240
 gcgtcccaat cacactgtca caaacatttt tctccacatg cataacatca atacaatgtc 300
 taacgtcaag atcacaccag tacggaagat caaagaaaat ggacctcttc ttccatatgc 360
 aactctgact tttatccttc ttttgggtct tcccaaatac agtggttcagg tgttgaaccc 420
 gctgatatac ctgctcacca gtcaacggta tcgacgcaat atcatgc 467

<210> 1852
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1852

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 gctcgaaatt gaatgttgaa gctctaagcc ctattcaaca acaataacgg ttactcgga 120
 tgtccgattc agtgacgtaa tatatcgga tgctcgaaat tgaatgttga accttctgac 180
 ccactcaaac gacaataacg ttttactcag atgtctgatt gaatcccgan atatatcgag 240
 acgctcgaaa tngaattgtg aagctctgag ccaattcaaa cgacaataac tttttactcc 300
 gatgtctgat tgacgtccgc aatatatcga gacgctcgaa attgaatgtt gaacctatga 360
 gcctattcaa acgacaataa ctttttactc tgatgtctga ttcgagtccg taatata 417

<210> 1853
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1853

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 ccttgttcaa gcacgacttt ctttttgctt ttgttggtt gccttgcata gctcacaatt 120
 ttcttttcaa ttgagcctt cacttgetca tgcaacttct tcacatactc agctntagcc 180
 tgtgcatcat tatgcttaaa catagcaatg ttaggcatag gcaacanaat caagaggagt 240
 caaaggaata aatccatata ctatctcaaa tgggtgaacaa ttagttgtgc tatggacagc 300
 tcgattataa gcaaactcaa catg 324

<210> 1854
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 1854

tctaaacctt gtacaagaat gaagctctga taccacttgt tatataagtg gcctcaaata 60

tcctaagaac ggcggggggtt gcagtaagat attccaaact gtttccccta atttaaaaat 120
 tattttactt ttactcaag gtattaatct cctcaatgac aatcgtctta aatatgaact 180
 caaaccaaac caccttgata tgaatatata gcaaacataa ataaacgaga ttaacggaaa 240
 agaaaatgca aacctcagtt tatactgggtt cggtcacacc cttgtgccta cgtccagtct 300
 ccaatgcaac cgcttgagaa gtccactaac ttgttaattc cttttacaag ttctacacac 360
 ac 362

<210> 1855
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1855

taacaatcag tgcatacta tngatcaaaa canagcaggt attaatatgc catactagac 60
 tcaaaatatg ccacaaacac tagacctaaa tcagtgtcac agaaattgga agaaaatatt 120
 ttatccaagc acaaacttca agccttattc catgtattgg ggggaagtta tggctggcca 180
 tatgggtaga ggtgtcataa aggagcaagt atggaggaag ggaccttgga ctgctgaaga 240
 ggacaagttg cttgttgagt atgtcagggt gcatggtgaa ggcagatgga actctgttgc 300
 tangcttgca agtaagaaac accaaacttt ttctactggt ttgtttctta atatatatga 360
 ttcggatttg acatttataa gtgacaatat agcacaaaa caactgaaat ngttttcaac 420
 ttctactgtt catngtggct acattcatgt tcaccggaag etc 463

<210> 1856
 <211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1856

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 ctaagtcttc aatctgtact taatgatgct gaggagaaaa aaatcactaa tcttgctatc 120
 aaggaatggg tggatgagct cacacacact ctctatgacg ctgatgagtt gttagatgag 180
 atcaacaccg agacattgtg atgcaaagtg gaagttgtga cctaaagtca acccattggt 240

gattagggc caaacgtgct ttcttattct ttcanaaggg tttatgggg catcaattat 300
 gagatacaaa gct 313

<210> 1857
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 1857
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 gatcgggaaa gcaatgtcaa agacctcaac cagcaacatc ttcctcatct gcaaatgaac 180
 ctgccccacc tcaactctact ccagaaaaag atgatgacaa aaatttaaag agtaagttac 240
 ctaacaattt ctatgaagggt gaattctcca cttgtaattc tgatttaca aagcagcata 300
 tccctcttcc attccttca agaagcaatt ccaacaaaaa aatgg 345

<210> 1858
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1858
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 tgactattca taccacaaa aattccaaat ggcacttcat aagaattgac cttgtgtgta 120
 gtatcaaata caacaacatc accatattnt tgggtgcccac cagagctaga agtatgagac 180
 caaaaaatat gctctcacct tctctcttca tcacgtggat atgcatactg gaaattatag 240
 ccacttcttt ttgcatcctc accgtacttg agaagatctt ggcattcttt ctttactta 300
 tttttgggtt cacaaaaaat acgaatgccc tttcataaat ggaaatacca tgcttacatt 360
 t 361

<210> 1859
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1859

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 aaaataatca atctttatat tgtgtntttc ttgtcagatc tcattccaag tgaatttatc 120
 catgttatta cggatgcaca tgtttaccac aatcatgtga ggccttngca ggagaagctc 180
 cataaccagc caaaaccttt tccagtatgt gtaatgttta gcacttcttt tactttatat 240
 tgtgactctt ttacttggtg accccctaatt ctacttcttg tagactttgg agatcaatcc 300
 caaaatgaga gatatagatt cttttgtggc tgttgatttc aagctcatag gctatgatcc 360
 tcaccagaag attgacatga agctggctgt ctaaaatctg gggattctca ctccctcgaa 420
 ctg 423

<210> 1860
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1860

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 tcatccaaca atgaattggt ctatttaagg aagatgatac acagcattat tgcacatctc 120
 tgtagaagca gccactatag taaacaattct tctctatcta aaatggagtt tgttctaaat 180
 tacctaaatg ccaactgccat tggagttctt tctataacct tcttcttttt gtttttgtat 240
 aatcccttca aatttgcatt atgtaaaaaa gaggtccca aagttgcagg tgcattggcca 300
 atacttggtc acctaccact attgagtggt tcagagacac ctgatagggt tttgggtgct 360
 ttggctgata agtatggacc catattcacc atcaactatg gtgtcaaaa 409

<210> 1861
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1861

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 gtaaggaag ctaccttggt tctgacacta tagtgctgga ggactntctt gagttggatg 120

ttacagaaat gagatcctnc atcacttatac agtacccttg gtgtgccaaa ccttgagaag 180
 atgtttttct tgaggaagcg aataatagtc tctgcatttg catgggtcac aactatttct 240
 tccaccatc ttgttacata gtccacaacc aatataatgt attcatttga gtaaaatgat 300
 tgcaatggac caatgaaatc catccccag cagtcaaaag cttcaaccct cagaatgttc 360
 tatagtggcg attcattcct tctgga 386

<210> 1862
 <211> 224
 <212> DNA
 <213> Glycine max

<400> 1862
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 atcagggtcaa gagatcttac gcttgacta gccagtgatg gaatgaatcc acatggcaat 120
 ttaagcactc aaaacagctc atggccagat ctactattaa ttacaatct tgctcctgag 180
 ttgtgcatga agagaaaata catgacgtta tcgatgatga tate 224

<210> 1863
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1863

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 tttagtctaa tattagtcca cacttgtaat tctaaatcta atatggctga aaaatagaga 120
 acattgggtt ccttttctta tacgtatttt tcaatttttg ttctactttt attatgtgtt 180
 tatagacttg agtgaaatga atacaaactc aacttttgga tcatattatg aatcctagat 240
 caattgtgct tcgtctatat atttcgtggc atcataaatt atcttgtaaa gcctttcatt 300
 tgcctatatt tataaatcat aatataaac aatatcatag atattctttg tgaaattcaa 360
 tattaaatct tatatattca ttgtttttct ttctcaacaa ctctcatatc tccatctatc 420
 tagnttatct atngactntt atgcggatct acatata 457

<210> 1864

<211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1864

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cccatggaag ctctaatat ctcccacact atntgggatg ggccattctt ggatggcctt 60
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tgaaagaact tgcctgagat gtcttaagt ataatctagg ctctactgt aactaaaaat 240
atcatcaaaa taaacaacta caaatctacc tatgaaatcc ctttaagacat tatgcataag 300
cctcataaag gtgcttggtg cattagtgag cccaaaagge atcactagcc attcatacaa 360
accagacttg gtcttgaaag cgggtttcca ctcatcaccc tttt 404

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<210> 1865
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 1865

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aagagcatat aatggattcc acacaacttt acttttcgat atctcatacc taaggagctt 180
gtaaaataat tgcttggtag cccctttttt ttactatggg agacaatcta cttcaagttt 240
taaacaacag ttcacaactt caattgtagc tgcattagtc gtatctgtct gcaattttcc 300
aatcgagaca aaactgctac tacaattgct actgcagttt ataaccttga tgtgcgttgc 360
ttgctctatg atgtattatt cttctgtaca aagatgacag ggtagcacca acagagaaat 420
ctaatttgc aatgtgtagc attgagt 447

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<210> 1866
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1866

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 ttctagccac ttgcaatddd ctgctagccc tctagcatgt attggaatta gttgatacct 180
 gcaatcaatg agaacaaagc atatgacaca gatcagcaac tttttatagc agctctggca 240
 atcggatcaa tcatgactac ctataaaatt tctcacatga aacaataggc gcaaataatt 300
 tcaaccacct aactaaagaa tcatgtagat cggcagtgtc gacagtttcc tcacgagctg 360
 gccgaggaaa tgaaaactct accagaagcc atcccattgt atgaagtaac tccttcagca 420
 tagaggatat ctaaatccga gggttcataa tcagtctca atatctcaac a 471

<210> 1867
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 1867

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 tcggccattc attacaaaag ccatcaacaa tatcttttac aggttcatat ttgagacaga 180
 gaaacacagt gggattgcag agttgcttga aatattgggc agcataatta atgggtcttgc 240
 tttgcctttg aaggaagacc ataagctgtt tcttgccctg gcgttgatcc cgettcacaa 300
 gccta 305

<210> 1868
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1868

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 ctgttagatt gtaaaatgaa cacaatttga aagacaaata agaggaagat acatgttttt 180
 gtctaaatat gattggatat ttttctcttt atagcgcttt tctctctgag gtcttttact 240
 gagtttcata aaatgttgta ttggaggatg aaatacctac aaagatactg tgacgcttaa 300

ataagattnt ggcctagagt aataaataaa catgttgtac taacctcaag tccacaagca 360
 tcgttataat cctcgtatcc gagatattat gcacttatat gcctggtggc catcacggtt 420
 ttatccttgt aaatacaact 440

<210> 1869
 <211> 189
 <212> DNA
 <213> Glycine max

<400> 1869

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 ctctcgcgca attcgccttt cactctctgc tcttacatga acgatgcacc ctcaacatga 120
 attactctaa agacaattct ccatagactg ctttaatgga agagagaact gcacactaga 180
 ttcatgctg 189

<210> 1870
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1870

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 aatgcanttt tagtttaatt atttattaga ctcttttaat tgaaaataat atagttcgat 180
 ttaatatgta catgttttgt gccatgtaaa tattaatatt gtgtgatgtc tatatgatcc 240
 atgagatgtg ataacatggt tcattgagat tataacattg tgattgaaaa taaatataaa 300
 tgtttgatta atacttgatg tgatattact tgtgttgtga cttatgaatt ggtgaatata 360
 caataattcg actggtgttt actttgagaa aaatgtttat gtgc 404

<210> 1871
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1871

tcttagttnt agatgatgca gatgagntg tagatacctc atgcactcct ctaatgacta 60
tagcatcatt tctgggtgcta aactgttggg agttggaagc catcttctca attaaatttt 120
tggcttcagt aggagtcatg tctctaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt actgagtcct tcataaaaat attggagaag aagctgctcc gaaatctgat 240
ggtgagggca actggcacat agttttttaa atctctccca gtattcgtat aggcctcttc 300
cactgagttg tctaatactt gagatacct tctgatggg cgtgggccag gaagcaggan 360
attntttttc taagaatact ttcttaaggc catcccagct cgtgatggac cttggagcaa 420
ggtaatacag ccagtccttt gccactctct ctaaagaat 459

<210> 1872
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1872

taattcttag agggngaagg ccctttcang ggcgggtgcat gatgtgtttt taaaagttgt 60
agctaaaaca gttccaaatt attgtatgag catttatcat tttccaaaat ctttagctaa 120
tgaacttcat aagatgatga gtcctttttg ttgggggtgcc aaaaggagtg gtcatagagg 180
gattcactgg atggattggc acaagctggg cagttcacia ggaacatggc ggaataggtt 240
ttaaagacat atatggattt aacctcgctt tacaaggga acaagggtgg aatctattga 300
aaaacccaac tgctttgggt tcaaagattt tcaaagctag atattatcct aaagcggatt 360
tcttggtggc cattgagcat aaataatcct tcatactctt ggagaagcat atgcaattct 420
tgggttctat taagggaaga ctatagatgg aaagttggaa atgggtcatc aatc 474

<210> 1873
<211> 417
<212> DNA
<213> Glycine max

<400> 1873

agcttgaagg taaactagat gccatgggta acctgttaac ccaactggcc atgaatcaaa 60
aatctgcacc tgctgccaga ctatgtggtt tatgctcttc tgctgaccac cacacagacc 120

tttgcccttc tgtgcaacaa tctgaagaaa ttgaatagcc tgaagcttat gctgcagaca 180
 tccacaacag acctcctcaa cctcaacagc aaaatcagcc acaacagaat aattatgacc 240
 tctccaacaa caggtacaat cccggatgga ggaatcatcc caaccttaga tggtcgaatc 300
 cttcacaaca gcaacagcaa caacaacaga cttattttca aaatgctgct ggcccaagca 360
 gaccatacgt tgctccacca atccagcagc aacagcaaca acagccccag aaataac 417

<210> 1874
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1874

agcttcttga tgtagaaaag acaaaagtta tattcttta atatttaatt tctcaaatag 60
 aactttgggt ttcctatgta tttcatctca aattatttct tcaatcaatc tatagctttt 120
 ggaagctctt caaaagtcc aataatatat acgtcatcta cataagcaat gattatgaaa 180
 atatattttt agattttcct gaaaaatgac aaataagatc attttaatat ccttccttta 240
 acaagtactc actaagtcta ttatacaaca tgcgacttga tggctttagt ccatacaaag 300
 tattcttctt gagaatatgc attattggac aaactatttc cttaaggag ttntatgcan 360
 atgccattat aaatagagtt atataagtaa gatgtaacaa tatccattat 410

<210> 1875
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1875

gagctngctt ctacaaccaa ttgaatagga acatttgcct ttggaggcat gggtaagggg 60
 aagattacta gtataggtaa aatccgtggt cctttcttag cctccataga caacgtctta 120
 tatgttgaag gtttgaagta taacttattg agcaaagtta agtttgcgac aatgggtata 180
 ttgtgtcctt caacaaagac caatgtatag tcaagatata agatgacaag tncctattta 240
 ctactaaatg acacaacaat ctgtatgaga ttgatctgat aggtctaagt aaacaaaata 300
 taatgtgtct gctttgtaga gaatatgaga gatggatttg gcacaaaata tttgggcatg 360

tgaatctgan acatatctca caactttctt aaaaaggaat tagtgaacag acttcctaag 420
 atttggtgaa actctcatct tctctgtgaa gcatgtc 457

<210> 1876
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 1876

tatgaccatt cgaatatctc aagagcttcc gctggtctat gtctagcgtg tagatgaggt 60
 atgtccccga ctctgacatg agcgtgaaaa gatgtgacca ttctattgtg tgcagagctt 120
 atgatgttca gtttagaacg tctcgatata ttatgagacg cgcactctgac gtgaagtgag 180
 acaatccctg atctcttga tattttccag agcttccgga gattactttc aagcgtatag 240
 atgagctatg gacacgaacc gcacattcca gtgaaaactt gtgacgggtc gaatttctcg 300
 agagctttcg gtggccaatt 320

<210> 1877
 <211> 475
 <212> DNA
 <213> Glycine max

<400> 1877

actaagctta caaggaaga taacacctca ttcataatttg gtcgatgttc aagatctggg 60
 aggggtgcagc acaatgataa cttaatgagc tctggcaaca cttcgtcatg gtcaacatcc 120
 caggtaaaca aaggggtctac aatattggca agttgtttta ttccattttt aagggctttt 180
 gtcactactt cagcgaagt gattggcaaa ccactccttt tttagagtcc tgtcggcctt 240
 ctttttgta gaaactccat tactatgaca ccgaagctga acacatctgc tttagtgggt 300
 actttctca tgtaggcaaa ttctgaaaat tacacagcat aaatatcttg tttagagagt 360
 gaaacttata aaaactctcg ggtatacaat gttaataaga taagaggatt cgaaacatag 420
 tgacaaaata agacgttggtg taattgtgcc agtcttggtc atgctacctt ctctg 475

<210> 1878
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 1878

ntgtaataca ccaaattcctt ttctttggtt atttgcggcc acttgaatta tttatttcaa 60
tttctatcct tatacccata gtaagtattg acatttatcc atattttatt tttccattat 120
cagctgacaa ggttgaagct attctatcta attttttata gataattttc acacatcaat 180
gaaaactcac ataaaaataa ataaaacca tgcacaatac aaaaccttat atttcttttg 240
tattatatta attatataaa aataaatttg aattataatt gaatatgttt gctgttttga 300
gaacccttg aatcactatt aagatacttg attgaaaagt ttaaataat caataaatat 360
atgttttaac atatagtatg acacacattt attatctctc tatacattaa taatatatta 420
cattagaatg gataaatgca tatgtatata tatatatat 459

<210> 1879
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1879

cgtcactcan aacaactcat tgtgcatgaa cctattgaat ctagctntca acattgaaat 60
aaagatataa caattgaaat tgtaacatct cattttctta aaactaattt taagaaaatg 120
ttatttataa ataaatagag ttttagaaaa atgatgagat ttttgtaatt aaatgaataa 180
gaagaaataa ttgtattaaa ataatgggtt gagagaaaat aaaaaggata catttgatag 240
gaaataaaat agagtgtttg tttataaagt aataaaaaaa tagagtagac aatagactaa 300
gagtatctaa ctatgaatag agacatgcta ggatcttnt aactntctct ccctctcagt 360
ttgctntct ttctctctct ctaaacctnt ctattccgca tccaccaatt tatcccagaa 420
aatgtgatct cgactcattc atcgtggatc gcataatatt aaca 464

<210> 1880
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1880

actatgaatg acaaattcct tgggataaag gtagtgggtc catgttttca aagcccgta 60

taaggcatat aactccttat cataagttga atagttaagg gtaggaccac ttaacttttc 120
 actgaaataa gcaattggat ggccttcttg caacaacaca gccccaatcc caacatttaa 180
 agcatcacac tcgatttcaa aagatttttg aaagtttgca acgcaagtat ggnggcatta 240
 gttagctttt gcttaagaat attgaaatct tcttcttggt tctctcccca ttagaaacca 300
 acatttttct tgggcacttc attgagaggt gctgtcaatg tgctaaaatc attcacaaat 360
 cgtctat 367

<210> 1881
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 1881
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 tgaccgcgacg aagacactga cagaaactta tcttctcctt cttggacaaa gtatgagatg 120
 ctgggggcaa gttaaattctc ttcccatcag accttggatg cgactgtgat cttataccta 180
 tatcagctag atcttgacgg gtattcaagc catccttcgt cttgccgtga atgttaagga 240
 gcgtcccaat cacactgtca caaacattgt tctccacatg cataacatca atacaatgtc 300
 taacgtctag atcacaccag tacggaagat caacgaaaat ggacctcttc ttccatatgc 360
 aactctgac 369

<210> 1882
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1882
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 taaaaagtta ttgtagtttg aatttgctca gggcttcggt attccatttc gagcgtctcg 120
 atatattacg ggactcaatc ggacatcaga gtaaaaagt attgttggtt gaatttgctc 180
 agagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtagtt tgaatttgct cagggcttct gtattccatt tcgagcgtct 300

cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360
 tcagagcttc tacattcaat ttcgagctgt tcgatatatt acgggactca atcagacatc 420
 cgagtaaaaa gttattgtcg tctgaatttg tcagagcttc atattccatt tcagcgtttg 480
 attata 486

<210> 1883
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1883

agcttgcttc tacaatatcc ncttttgat gatgacatct tctgaaatca ayaagcacac 60
 acacactttt tctagtcga tcaatcatat aaattctcct cctttgtttt tgaatttatg 120
 tttatcttaa aaataagttg attactcatg tgaattcttg atttaatccc atttctctcc 180
 ccctttggca tcaacaaaaa gccaaagtgc gtatcaaact taaggatatac aaatataact 240
 taaacatcta tacttaatat tcatgaaaaa aatatcaacc aaatcatgaa gcaagaagca 300
 agaaccatga aaaccatgaa gcaacaacca tgaatagatt aatttttaaac tccacatagt 360
 caaataacat acttaatat ggtccaaaca taccatgcaa ataaggaaat agtatattgt 420
 tcaaatatca taataataat agagaaatta ttgataagt cactaacatc tattagtcct 480
 aact 484

<210> 1884
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1884

ggccgccacg gagttntccg actatgctct tgttggttg aacaagctac aaaaggagag 60
 agcacgaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaggaa 120
 gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccba 180
 aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
 tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagttgc acgagttngt tgaaatggat gatttgcttc acaaagcaat 360
ccaagtggag caacaattaa naaggaacgg agt 393

<210> 1885
<211> 447
<212> DNA
<213> Glycine max

<400> 1885

tgcaggtgct gctactggtg gaggcacttg aatttgcttg ccagaccaca aggtgatggc 60
actcacattt ttcggtattct gcacagtttg tgaaggcaat ttgtcaaaaa tttgggactg 120
agcttggttc aactgagtag ccactgccc catctgattt gttagactct gaatagaggc 180
tcttgtctct tgctgaaatt gcatattctg gatagtcatt tgctcacta actcttctaa 240
ggaaggttga ggaggggcct cagttgcttg ttgtctttgc tgttgctact gctgtattgg 300
aggaggaaca tgtggcttgc ttggaccatc aacattctgg aaggaggga caagctgttg 360
ttgttggtga cgacttgccc atctcaaaat tggatgattc ctccaacctg gattgtatct 420
gttgcttgaa agatcataat tattctg 447

<210> 1886
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1886

gcttcaacat cagaccactt ccaggggtgct ggtactactt cacatggact tgatggggcc 60
tatgcaagtt gaaagccttg gaggaacac gcctgcctat gttgttgttg atgatttctc 120
cagatttacc tgtgtcaact ttatcagaga gaaatcagaa acctttgaag tattcaaaga 180
gttgagtcta agacttcaaa gagaatagga ttgtgtcatc tagagaatca ggagtgacca 240
tggcagagaa ttgaaaaca gcaggttcac tgaattctgc acatctgaag gcatcactca 300
tgagttctct gcagccatta caccacaaca gaatggcata gttgaaagga aaaacaggac 360
tctgcaagag gctgctangg tcatgcttca tgccaaagaa cttacctata atctctgggc 420
tgaagccatg aacacagtat gctacattct acacagagtc aact 465

<210> 1887
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1887

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agctcatgct ttttcccaaa gctgtacagt ttattatattt aaggactggt ggcaagtgat 60
agtatgatgt agtaaagaaa catgcataat gagattaaag tagtggttac tagtggtaat 120
tacagtatat atggttgata actggagagt aataaaccta gcgaggtgta atatatcaag 180
tgtgatagaa aatgtgttac tagcatttca catatactaa ttacagaaaa ctacttatgt 240
ttttattcaa gtttaattagc tattactttg tatgtggcag ttctttcttc tgtgtatggt 300
gagtggctgt agcatatggt ggttcaacac agtatgttnt gttctctgca ttaggaattt 360
cccagttaac agacccttg cattatcact cactgtgagt gtcaatggtg tgagtgcage 420
actctacaca c 431

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<210> 1888
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1888

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tgccnanata aagaaagga atagattgaa tctagtaaga tgcattaagg atgaagaagg 60
aaaagtattg gtcagagatc aagatatcaa agaaagatgg gagaaacatt ttataagctt 120
ttcaattatg gacaaaggat cagcttggaa gtgaagacag agcatatgca ttgcaatttt 180
agcaagaggc aagaggagta tgacttggaa gtgaagatgg gagaagatgt cataccacat 240
gttactaagt ttaaatatat gggatcaata atataatata atatcatgag gaaattaatg 300
aggatgtcac acatagaata caagcaaggt ggttaaaatg gagaaaggcg tcaagggtta 360
tttgtgattg caaaatacca actttaaatg caagttttgt tgtacagcaa tagtttgact 420
atactctatg gtagtgaatg gttggtttag agggacaata 460

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<210> 1889
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 1889

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tatgcaagtt gaaagccttg gaggatagag gtatgcctat gttgttgtgg atgatttctc 120
cacatctacc tgtgtnaact ttatcagaga gaaatcagat acctttgaag tattcaaaga 180
gttgagtctt agacttcaaa gagaaaagga ttgcgtcatc aagagaatca tgagtgaacca 240
tggcagacaa tgtgaaaaca gccgggtcac tgaattctgc acatctgaag gcatcactca 300
tgagttctct gcagtcatta caccacaaca gaatg 335

<210> 1890
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1890

agcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
ttcaccgac gaagacactg acaaaaaatt atcttctcct tcttgacaa agtatggcag 120
gtggggggca agtaaatttt cttcccatca gaccttggat gcaactgtgc tcttataccc 180
atatcaacta gatcttgacg ggtattcaag ccatecttcg tcttgccctg aatgttaagg 240
agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
ctaattgcaa gatcacacca gtacggaaga tcaaagaana tggacctctt cttccatattg 360
caactctgac ttttatcctt cttttgggtc ttcccaaata cagtggtcag ggtgtgaacc 420
cgctgatata cct 433

<210> 1891
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1891

agctngagca gggttgaatt ggaaagcaac aaattaactg gagaaatacc ctctccctt 60
ggtaatctta aaaggcttca attcttgtaa gtatggcatt ctgtttgcta ggctctacat 120

atatataatg agtcttaggc cttagcatgt attttttgtg caatgtttta aagtgtctgt 180
 ttcttgtcct gctaccagaa cattgagcca aaacaatctc agtgggacta ttcttgaatc 240
 acttgccagt ctccaatct taatcaatgt gtatgtaaaa taatggtttc tagaactctg 300
 ccattntttt aaagtatatt tcattaattt agtatctgat tgattattca aacttctctt 360
 ttgcagctctg ctgattcaa ataatctgag tggccaaatc ccagagcagt tatttaaggt 420
 tcctatatac aagtatggat ggtacaacca taaaattagt atatgat 467

<210> 1892
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1892

tctcgtagta gaacataggc aacgtatcta ccataatcgt gatcatctcc ctctcagtca 60
 tgggcgggat gacttgggct gctaggtctc tccacctttg agcatattct ttaatggact 120
 catgttctcg cttggtcatg ctctgaagat ggttccgatc aggagccata tccgcgttgt 180
 attgggtactg cctaataag gacgtttcca agtctttcca tgaccggatc tgagaagctt 240
 ccagattggg ataccacgcc actgctgctc cggctaagct gtcttgaaag aagtgcgtca 300
 acagctcttt gtccagagaa tatgccccca tccttcggca atacatcaa agatgacctc 360
 ttggacacgt cttccctttg atntatcaaa atctgggtatt ttaaactt 408

<210> 1893
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1893

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 cctgacgaag aactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120
 ggggcaagta aattttcttc ccacagacc ttggatgcaa ctatgctctt ataccatatt 180
 cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagca 240
 tcccaatcac actgtcacia acatttttct ccacatgcat aacatcaata taatgtctaa 300

cgtaagatc acaccagtac ggaagatcaa agagaatgga cctcttcttc catatgcaac 360
tctaactgnt atccttcttt tgggtattcc caaatacagt gttcagggtg tgaacccgct 420
gatatacctg ctcaccagtc aacggtatcg gcgcaatata atgc 464

<210> 1894
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1894

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gcttgctcac cctagaagc tectaatac tectatactt tntggggagg gccattcttg 120
gatggccttg attttcttag ggctcacttg gaccccatth ctaccaacta caaattctaa 180
gaaactatat tatctacata aaaggtagac ttctctatat tagcatagag agtatttttc 240
ctaagaactg aaagaacttt ccttagatgt cctaagtgat catttaggct cttactgtac 300
actaaaattt catcaaaata aatgactacg aatctaccta tgaaatccct taagacatga 360
tgcataagcc tcat 374

<210> 1895
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1895

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tgaaagatga agaagggaaa anttttctac tctgtaaagg tgctgacagg tctgtgataa 120
aataatttat agccttcaac ttctagcctg cgcatttaac ctatggactt gcctaactta 180
ttttttcatg cagtgtcatg ttggaaagge ttgcaaaca ttggaggaag tttgaaagga 240
aaactgtgga acatgtgcgt gaatatgctg acacaggtct aaggacccta gtacttgctt 300
attgcgaact tgatgaacaa gaatacaagg agttcgatga taaattctct gaagtaaaaa 360
attctgtccg cgcagatcag gaaactctga ttgaagaagt atcgga 406

<210> 1896

<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1896

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tgtcaataat atcaccaaaa actatcacat taacaaaatc acagcctcta agatttcgac 120
aaattattag gtagccttga agcattatgt ttttatgatt ctaatctacc attctcttta 180
tatataatac ataactatat tttttaattt gtaattaatt ataatanntc aatatgttat 240
gtaaaaaaat agttaaaata attaacatta taatgattnt agactatcta ataatttcta 300
gtaagaattt aatgtataac aaacctggaa gcacagaagg ctaccacata atccgtccca 360
gaacaagtga aaatactatg tggatcatca taagcatagc tgtaagaaag tggacatgcc 420
tncttaaact tcttcgaata aaacgtggga tt 452

<210> 1897
<211> 164
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1897

agcttataca tggagcaagg taaattctca ttatatcata ttgcttaagc acaagaaaca 60
tcatattgcg aggtaaatgt taaggcagat aaacaatcaa aactcctatc taatatctac 120
cactctatgt ctcttctatn tgcagggnaa agcaatcctt gcta 164

<210> 1898
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1898

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attctgaata caaaccattt tgtaattctt ttgcgaagtt aatggtttgc atagcaaaac 120
ttgacggagt ctttatagta actaataatc attcactcag tcttactttt cctctggttt 180
caciaagaat tcaatatgag ctattctact tggttgctga tagccaaccg aatcagcata 240

tgggtgtgac acagatggtt tggcaattga aaccagatgc tggactttta acattccacc 300
 tctcccaatg cttaacttac ttctcttatt ttctttaata acactgctag gcatattaga 360
 acgtgttgct ctgaggaact tatatttgta cctgttaaca acaagcatag taatgacaaa 420
 taaatcgctg gcaaggaaat gacaactaac acataataa tagttt 466

<210> 1899
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1899

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 gaagttctga gaaaaatcaa acgacaataa cttttaactc ggatgtccta ttgagccctg 120
 taatatgtcg agacgctcaa aattgaaaac ggaagctcta agaaaagtga aacgacaata 180
 acttttgact cggatgtncg atatagtctc gtaatatatc gagacgctcg gaattgaaaa 240
 cagaagctct tagcaaattc aaacgacaat aacttttgac acggatgtct gattgagtct 300
 cgtaggatat ctagacgctc ataattgaaa acggaagctc tacgaacaat caaacgacaa 360
 taacctctaa ctgggatgtc tgatcgagcc ctgtaatata tcgagacgct cgaaa 415

<210> 1900
 <211> 192
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1900

agcttaacat cagaccactt ccagggtgct ggatactact tcacatggac ttgatggngc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgctgtg gatgatttct 120
 ccagatttac ctgngtcaac tttatcagag agaaatcaga aacctttgaa gtatttaaag 180
 agttgagtct aa 192

<210> 1901
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 1901

ggaggatatac tatgtttatt gtaacattca tcaatattgt gatttgtgaa tccataatgt 60
gtacaaacct tgcttgcttt cctatcaaaa ctccctttat caaagcttca ttggctactt 120
cctectcttc tagaagtata acttggagga aaaccatttt tctataaca tctgtccact 180
atgtgattat ccttaccaca gtatgtacat gatttcgatg aaagtgagcc tgttgcatg 240
atgagactag tgnntcccat cagatcacta ttattgatct gcctttcttg ctgaacaaca 300
tatgagaaga cctttgctat gctaggtaat ggatccatca tcaactacatt ggatcagaca 360
atgccaaaat gataatttaa acctctaaga aactgcataa cttgatcttg tttcttcctt 420
tctataacac taccaagagc atcacatata cactttnggt cacatatat 469

<210> 1902
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1902

actataaaac taagctacca cgacatctga attcatgtac gacaaatctc tatgcggtct 60
tagttggaac atggacgcta gagtggcaag ggcgtcgcc atctgatntt cctctctagg 120
aatgtgatga aaggatatgt catcaaagaa ttctatcaac ttccttatgt aagcctcgta 180
aggcaccaat ttatgggtccc tggctccca ttcaccttcc aattgggtgaa ttaccaatgc 240
caagtcccca taaactttga gcaacttgac cttgatgtca atcgccactt ggatcccaaa 300
ggcacacgcc ttatactcac ctatgttgtt tgtgcagtcg aaaccaacc tagccatgaa 360
aggtatatac tattcatcca gngaaaccaa tactgcgcca actccatggc ctagtgcatt 420
agatgcgcca tcaaaccaca cgaatccatt gtccctgtct tcacctcta ctttctctc 480

<210> 1903
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1903

agctttcaac actggcaact gcaagatant tgtaagttct ggcatatatg ggattaggcc 60
 aaatggaaaa attacaaatg tcaaaagact aaccggtagg gccatgacta acacaaggcc 120
 aataaagcaa cggccttaag cctcttttca attattgaaa ttntatatat ttttaaaata 180
 cttctaaatt aatagataat aaattttatt atattatttg tatttaactt gtttctaaaa 240
 taattagtaa aatttattct ctctaaatat aaaatagaat aactatattg aatgagaata 300
 tttttaagaa ttattgtgtt tgataagaac aagtaaaaaa attctctana aaaaatatct 360
 ttggattctt ttgctaata ttttcttta ctatatTTTT cataatgcac aatgaacaag 420
 atagattc 428

<210> 1904
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1904

gtacaagacc gnggaattag ccattagtgt gtggcctgga tcttctgttg gactagtttg 60
 acccctgtgc ttgacaccat gtggccaag tactccacct gggtttgggc gaaggaacat 120
 ttcgagagct taatgaagaa ctggccctgc gacaaaaccg tgaaagccaa ttgcaaatga 180
 agtaaatggt cattgaagga gctactataa attagtatgt cgagatgtgg acatcaaagc 240
 ccaagcccat gacaaccacc agccccaggc ccatgactag atggaagccc aagacccaat 300
 acaaggcata ggaagaccca tgacaagagc aagagctaaa aaggcacaag atgctttgga 360
 acatatggtg attattctga gggtagttca aatgcaagga gaggcccaac acttggagtc 420
 tcaaaaggga atgttgctag tcctatgt 448

<210> 1905
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1905

agcttcaagg ttcanagttg gatcaaaagc ggcttgaggg acttttccat ttcccagca 60
 tcagttgagt ggcgcattcc tgttctgat gacaagaccc agactatata tgtatggttt 120

gatgctttac tagggtaagg atatgtatct tatagcttgt gcggtgctct ctagcttccc 180
 ttgactctat tctataatct tataggtcct gtctatcata ctcaccgact atcatcttgt 240
 ttattgttcg aaatacatag ctaaattgcat gaaagttcac attatgcatg atcatttgta 300
 cagaatcacg ataaagaaca gcttggactt ctgctatctt gctgaatatt ctctattaca 360
 tgtgtcgcta atcaccttcc 380

<210> 1906
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 1906

taagctcttc aatgcttcct ctttcttgct gggagaagtt cttatcattt tgacatgcat 60
 accaaaagcc ttagcaaact tgacagccac atgacctatg cctccgaggc ccaccacacc 120
 caagtgaac ccaggctgag caagcctata atatttcatt gggctgcata ctgtgattcc 180
 agcacatagc aacggggcgt gcaccatcta acggaagaga ttttgggatt agcacgacaa 240
 agttctgac aaccactatg atatctgagt ctccaccttg agttattgcc ccatcataat 300
 agcgtgcact gtaggttaca tgtatttttg gacaatatac atagaagccg atgctgtcgg 360
 tccaacatga gccacacgaa cctacagagc caccacacc acgcatgcac catcactgca 420
 ctttgg 426

<210> 1907
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1907

tgagcccact tatctntgta catattagat taaggtttca ttattttctg gccttgtatt 60
 tagggctcta taatgtaggt agggtagcct agaaatgtag gatttttcag cccttgtatt 120
 ttagggcacc tagactagtt tttgtattac gggtatgttt gtaatttcac atgcattaag 180
 tgaatatttg atgtgtgtgt tggaaaataa atctaattgt attgggagaa gctcaatcca 240
 atttaattct agagggggag gtgagcattt gcttgcata cccattgtc acatcatata 300
 gtcgcacttt gtgcataatc ttcagtctct acatgcctca tgccacgtta gcatatttag 360

tggataatTT tgaacttgat cttggttagt gggctg

396

<210> 1908
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1908

agctggcttc ctttgattnt cggcatgtct cgggacttca catatcgngc aacaaagggt 60
gccaagtatc tcgaagcggc caatcaaagg ttgtatatca tcaaataata atccccggac 120
gaaattaggg tatgacaggg tcgaagcggc ttcctatacc aatgtcacga ggagtgtggg 180
ggtcagattc ataaagaggg agttgnattg tcagtacgaa ctccctagga agatcattac 240
tgacaatggc acanactga ataacaaaat gatgcaggat atgtgcatgg atttcaaat 300
ctagcatcac aattccagc cctaccgacc aaagatgaac ggagccgtgg aagcagccaa 360
taagaatatt aagaatatta ttcagaagat gacagtgtcg cacaaagatt ggcattgagat 420
g 421

<210> 1909
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1909

ngaaggagtt tattgcatca gggaacaatt tcactttaaa agtgtgtcct aattggattc 60
ctaattntca acttacctat ttggatgtga catcatggca gataggtecc aactttccat 120
cgtggattca atcacaaaac aaacttcaat atattggact gtctaacacg gtgattttag 180
attctattcc cacttggttc tgggaaccac actctcaggt tgtgcattta aacctctctc 240
ataatcatat ccatggtgag cttgtgacta cattacaaaa tccaatatct atccaaactg 300
ttgatctaag cacaaatcac ttatgtggta aattacccta tctttcanat gatgtgtatg 360
agttagacct ttcaaccaat tcattctctg aatccatgca agaattctta tgtaacaatc 420
acgacaaggc aatgcaatta gaatttctca atc 453

<210> 1910
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1910

tctaattgat taacggaagc tcttgagana ctcaaattgt catatcttat cacacggacg 60
 tncgattcag gtgcataata tatcgagacg ctggaaattg aacaacgtat ggccttgaga 120
 tattcaaattg gtcataacta gtcacacgga tgtccgattc atgcacataa tatatcgaga 180
 tgctcaaaat cgaacatcgg aagctctcga gaaattccaa aggtcataac tcttcacacg 240
 gaagtccgat tctggcgcat cacttcataa gatgctctga attgaacacc ggatgctctc 300
 gagaaattca aacggtcata acttggttaca cggaagttcg 340

<210> 1911
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1911

tctanactnt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
 tcttaagaag gggggggtga attaagatat tccaaactac ttccccaatt aaaaatctat 120
 ttcacttttt ttaagttatg aattccctta atgacaatct tcttaaataat tgattcagat 180
 aaaacaattt gaatatgaga ataaagcagt aataaataaa ggagattaat ggaagagaga 240
 gtgcaaactc agatttatac tgggttcggc acacccttgt gcctacgtcc agtccccaag 300
 caaccgcgtt gagagttcca ctatcttgta aattccttct acaagttcta aacacacaag 360
 gacaatcctt cctttgtgct tagaattcct ttacaacaag agactcacgg tctcttaatc 420
 ccttagagaa tgaggagaag tagaagaata aatctctcta gaaagagat 469

<210> 1912
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1912

agcttcaaga aaaagatggc ctcagtatat tccttatttc cagaagggaa ttccatcaat 60
 agacctccaa tctttaatgg agaggggttac cactactgga aaacccgaat gcaaattttt 120
 attgaggcaa tagatctaca tatttgggaa gccatagaaa tagggcctta tatacccacc 180
 acaggagaaa gagttacaat agatggtagt tcatcaagt aaagcataac tatagagaaa 240
 cctatagata gatggtctga agaggataga aaacgagtag aatacaactt aaaagccaaa 300
 aacataataa catctgccct gtgaatggat gagtatttca cggcttcaaa ttggaagagt 360
 gctaaggaaa tgtgggacac tnttcgatta acacatgaag gaactacaga tgttaaaaga 420
 tctatgataa at 432

<210> 1913
 <211> 493
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1913

acactcagat actaagctgt tcgccatcgt tcgcgtgtat gacatccact ccacaagggt 60
 tgaagttgag gagaccttca atcctattac acaacgtggc cgacaaaagt gggcagttaa 120
 cttgaatggc cattattgtc aatgcagaag gtattctgcg cttcactatc catgttcaca 180
 tattattgca gcttgtgggt acgtgagcct gaactactac caatatatag atgttggtta 240
 tacaaatgag cacatcgtaa aagcttactc cgcacaatgg tggcctcttg ggaatgaagc 300
 gactattcct ccttctaatt acgcatggac acttatccct gacccaacag caattcgtgc 360
 gaaaggtcgg cctaaatcaa caaggataag gaatgagatg gattgtgtcg aaccctctga 420
 gcaccgacaa aaatgcagta gatgtggagc cgaagcgcac aacangcgtc gatgtccaat 480
 gcaatctgag cgt 493

<210> 1914
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1914

agctnntgga aatgatntct atacaaaagt tagtcgtata aagtgactaa cacacttagg 60

ctataaatag aggtcatgtg tgtgcatttc ttcaactttg atcatttttag aattacgctt 120
 caaagttcag acctcttttg aggcacaaat tttcgtgctc cttctcctac cttcaggctc 180
 ttatccatgg attcctatgg tgggtgagctt cttcttgact catcttctcc ttgaagtgg 240
 gtctctaate aactttcttc cttattcatt tcgctaccat taaacttcaa gaagaaaagc 300
 actccattgt tgaagaagat ccaaggccta caagttccac atggagctac attagtattg 360
 ccttttctcc tacgtatcct tagatgcgat gaggaactta gacctacgta gttctttaag 420
 tctgaatggg tgttggtgcta catngatttt atcttaattt taaa 464

<210> 1915
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 1915
 ataccttcat ctgacttatt atcattatctt cctaagctat cttttccatt attcaatata 60
 aaacatttac gaccaaagat atgaagatgt gagatgtttg gttttctgcc attgaacaat 120
 tcatatggag tattctttta aatgggtggt attaaagccc tatttaaaat gtagcatgct 180
 gcgttaacgg ctttagcccc tatagttggt ggaagaggag tatcatttag gtcagtccta 240
 tctatctcgt tcaaagatct atttatactt tctacaacac cataatgtcg aggggatctt 300
 ggtgttgaaa agctatgctc aattccatgc ttatcacaca ataattgaca ttcttcactt 360
 gcacactgac gcgcatgatc actcctaata gatat 395

<210> 1916
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1916

ggaagganaa cttgatgcct tgggtcaacct agtaactcag ctttccatga ataagaaatc 60
 tacacttggt gcaggagtct gtgggtctatg ttcttctgca gatcaccata cagaaatctg 120
 tccttttttg cagcaatctg gagtcaatga gcaacctgaa gcttatgctg caaacattta 180
 taatagacct catcatcagc aaaaccaca acaccagaat aattattgac ctttaagcaa 240
 tagatacaat ccatgctgga ggaatcatcc atatctgaga tggacaagcc cttcacaaca 300

acaacaacct gtccctccct ttcagaatga tgttgggccca agcaagccat atgttccctcc 360
 tttcatacaa cagcagtcac aacaaagaca acaagcatct gaggctcct 409

<210> 1917
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1917

tctntgagaa aacttccttg agaagctaga gcttagctac acatacctct ctaatagcta 60
 agcttacctc cttgagatga gaagctagag cttagctata cacaccctat aatagctaag 120
 ctcaccccca tgacaaaaaa catgaaaata caaaaaaaag tccttactac aaagactact 180
 caaaatgccc cgaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg 240
 cccagacgaa ggaaaaatct attctaatat ttacaaagat aaatgggctc atacttagcc 300
 catgggctcg aaatctaccc taaggctcat gagaacccta gggccttccc ttggatctct 360
 agcccaatct acatggagtc ttctacccaa tgcccttgca gagtaggatt gcatcattga 420
 gttatgtgga gttntattga cctaagttga aattatgaga tttcaaactt tacctaaacc 480
 tact 484

<210> 1918
 <211> 475
 <212> DNA
 <213> Glycine max
 <400> 1918

agcttgtagg cctaggatct tttcatcaa tggattcctt tgcttcttgg aaaatgaatg 60
 gcagcggaat ggagaaggaa gagagagaga gagaggagac gccacttcaa ggagaagatg 120
 agtctagaag aagctcacca ccataagagg ccatggataa gagcttgggg gaagaaggag 180
 atgaatgaag ggagagggag agaagagcac tgaaatttgt gctccaaatg agctttgaaa 240
 tctgaatttt aatattcaaa tgatcaaagt tgaaaaaaat gcacacacat gacctctatt 300
 tatagcctaa gtgtcacaca aaattggagg gaaattcaaa tttcacttga attggtggag 360
 ccaaactttg gagccaaaat ttcactaatt atgattagtg aattctagtt atggttcagc 420

ccactaatcc aagatcaatt ccaagattct ccactaagtg tgcttaggtg tcatg

475

<210> 1919
<211> 325
<212> DNA
<213> Glycine max

<400> 1919

cccgttggtc aatttcttac gtctatatat gtgatgcgcc tgttatcgac cttcaagaga 60
aaagtaatga ccatctgaaa ttctcgagag cttccgctgc tcaatttcaa gcgtctcgat 120
ctgttatacg cctgaatcgg acctccgagt gacatcttat gaccatatga atatttcgag 180
agcttccgcc gatcaacgtc tagcctcatg acatattatg cgcttgactc ggacctacta 240
gtgagaagct cagaccatta gagttggtca cgagcttcca acgatcaata ccagcgtct 300
cggcatgtga tgcgcctgaa ttgga 325

<210> 1920
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1920

agctctaaca tcagaccact tccattgtgc tggatctact tcacatggac tcgaaggggc 60
ctatgccagt tgaaagccat ggaggaaaga ggcattgcta tgctgatgtg gatgattcct 120
cgagatatac ctgggtcaac tgtatcagat aaaaatcaca catcctngaa gtattcaatg 180
agctgagtct aagacttcac ctagacatag actgtgtcat caagagactc atgagtgacc 240
atggcaaaga gtacgaaaac agattgttta ctgaattctg ctcatttgaa cgcattcactc 300
atgagttgta tgagccatta caccacatca gagcgacata tatg 344

<210> 1921
<211> 425
<212> DNA
<213> Glycine max

<400> 1921

ttatgctatt acctaaactt atgagctcta gctaggttgt agcttcctat aataggtata 60
agaataggat caagcttct actttgacaa tcacagtgtc aaggacttaa ctgatgacat 120

tattgcaaat tcaatgtttt gacattcctt aattttgtag gtactaccaa tgggaaacgg 180
gcaaccccaa atccagaaat gggttctaca tctcaagggg aacggaagag gaagcgggta 240
gcaaccgacg gagaggagga aactttgcaa agccaattaa ttgatgtctt agaaaagaat 300
ggcaaaatgc tacatgatca acttgaagct cagaacctga atttccagtt ggatcgccaa 360
cagcagaaag aactgcaag taacatagtt gctgtacttg ataagcttgc agatgctcta 420
cggag 425

<210> 1922
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1922

agctgcatac tgttntcatt atgacaataa aatatttttg caggtatac agctggatcc 60
agaatntgct aacaacattg ggcagattgt tcttcttggt ggtgcttttg cagtaaattg 120
caatgtgaat cccgctgctg aagccaacgt gagtatttca atcctgtatt caaattctta 180
atataacttc cataaaaaata ttgtatcatc cacaagtcaa tctgtctaac tcttcgggtg 240
gatttggtcc agacatttggt tgatccagat gctgcagatg ttgtatttac aagtggggca 300
gatgtacttg cagtggggat aaatgttacc caccaagttg tactgacagg tacccttttg 360
acaaattctt tggctccttt gtatacttga gtcatttttg taaaattc 408

<210> 1923
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1923

agcttctggt ttaattacgt gcgtctcgat atctctactg tgacacaatc agacatccga 60
gtgaaaatnt attgtgcttt anatgtgctc agagcttcag ttttcaatta ggagcgtctc 120
gatatattac gggctcgaat cggacatccg agttaaaaat tattgtcggt tgaattttgc 180
cagagctttc gttatcaatt acgagcgcct cgatatacta cgggtgctcaa tcggacatcc 240
gaggtaaaag ttatagtcga tagatttttc ccagagcttc cgttttcaat taagagcgtc 300

tcgatatcct acgggacaca atcggacatc cgagtcacaa gttattgtcg ttgactctt 360
 cttagagctt cctgtttaaa ttctgagcgt cttgatatat tacagggcgc aatcggacat 420
 ccgagttgaa agttatt 437

<210> 1924
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1924

agcttagcta actctatagg agacatccta taatgagcta tggatatggg tccagtacca 60
 ggtactaagt ctatggaaaa ctctatctct ctctcaggtg gcagatcaga tatatcctca 120
 ggaaacactt caagaaactc tctaacaaca gggagggtcac acatagaaac ctttgtctct 180
 acttctaggc tagacaagat catgtacact tgagcatctt cctttanaga tgtcacaact 240
 tggttggcag agataaacat catatcctta ctactctag aatcatcaaa caccacactn 300
 ttatcaaaac agttcaacaa gacatgggtg gaagataacc agtccatacc aagaataaca 360
 tcaatctgac tcataggcaa acaaatacaca tcaattaaga atgttctacc agaaatctcc 420
 acagaacaat tcacacacac ataagaaagt aacatagaac cactagtagg ggtctctacc 480
 actagatctt tatta 495

<210> 1925
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1925

agcttctaca ttcaatttcg tgctnttcga tatattacgg gactcaatcg gacatccgag 60
 taaaaagtta ttgtcgtttg aatttgctca cggcttcggt attccatttc gagcgtctcg 120
 atatattacg ggactcaatc ggacatcaga gtaaacagtt attgttgttt gaatctgctc 180
 agagcttcgg tattccattt cgagcatctc gatatttac gggactcaat cagacatccg 240
 agtaaaaagt tattgtagtt tgaatttgct cagggttcg gtattccatt tcgagcgtct 300
 cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ctattgtcgt ttgaatctgc 360

tcagagcttc tacat

375

<210> 1926
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1926

agcttcttct tgnntttcg cccattgan aacaacattt ttcttaatta cctcattcaa 60
aggtgctgcc aaggtactaa aatccttcac aaatcgtcta taaaaacttg ctaggccatg 120
aaaacttctc acctctgtca cacttttagg tgtaggccac tcttgaatag ccttgacctt 180
ttcttcatca acttaaacc ctttggaact caatacaaaa ccaagaaaca caacatgggc 240
tttgcaaaaa atacattntt caagggttagc atacaattgt tctttcctaa gcacacacaa 300
caccgattnt aagtgtacaa catgcaaac aagggttatg ctataaaca ggatattcat 360
aaagtacacc accacaaatn taccaatgaa ttctctcaaa acatgggttca ttaatctcat 420
gaaagtgctt ggtccattag tcaaaccgaa aggcataacc aaccattcat ataattcata 480

<210> 1927
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1927

agcttaacag gttcaggtgc tgggtgtgct actggtggag gcactttgaa ttggttgcca 60
gacctcanag tgatgacact cacattnttc agattctgca cagtttgtga agacaatttg 120
tcagaattnt ggggctgagc ttggttcaac tgagtagcca tctaccctat ctgatttgtc 180
agactctgaa tggaggctct tgtcttttgc tgaaattgca tattctggat ggtcatttgc 240
ctcactaact cttctatgaa aggttgagga ggagcctcag ttgcttggtg tctttgttgt 300
gactgctgct gctatatcgg aggaggaaca tatggcttgc ttggaccagt agcattctgg 360
aaaggaggga cagactgttg ttgttggtga ggacttgccc atttcagatt tggagattcc 420
tccaacctgg attgtatctg ttacttaaaa gggcataatt attctgatg 469

<210> 1928
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1928

agctnttgga aggatcaaaa agtgccttat gaattctccc gtgcttatgc caccagtacc 60
 tggaaggcct ctcatnttgt acatgaccat gttggacgag tcaatgcggt gtatgctggg 120
 gcaacatgac gaatccggga agaaagagcg cgttgtttac tacctaagta agaagttcac 180
 gacctgtgag atgaattact ccttgctcga aagaacatgt tgtgctttag tatgggcac 240
 ccatcgcta aggcagtaca tgcagagcca tactacctgg ttgatatcca aaatggaccc 300
 ggtaagtac atctttgaaa agccagctct cacgggacga atcgcccggg ggcaagtcct 360
 gctatccgag ttgatatag tctccgtcac c 391

<210> 1929
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1929

agcttgctaa cccatggaag ctctaataat ctcttacact ttntgggggtg ggccattctt 60
 ggatggcctt gattttctca aggtccactt ggacccatt tctaccaact acaaacccta 120
 agaaaactat attatctaca caaaaggtag acttctctat atttgtagag aggggtgtttt 180
 tcctaaggac tgaaagaact tgcctgagat gtccttagtg atcatctagg ctctactat 240
 acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttagacat 300
 gatgcataag cctcataaag gtgtttgggt cattagtgag cccaaaaggc atcactagcc 360
 attcatataa accaaacttg gtcttgaaat cggntntcca ctcatcacc tttttcatcc 420
 tgatntgggtg ataaccactt ttaagatcaa tctttgaaaa gatattggca ccatgcaact 480
 catc 484

<210> 1930
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 1930

tactcaagct tgtccaanat gcaaacaata ataattgtca aacggatatc ctattgagta 60
ttgtaataata tcgagacgct tgtaatggaa aacagaagct cgtagaaaat gcaaatacgca 120
ataacttttta actcggatga tcgattgagt cccgtaatat atcgagacac tcgaaattga 180
aagcagaagc tctgagcaaa ttctaacgac aataactttt gactcggata tccgattgag 240
tcatttaata attcgagacg ctcaaaattg aatacagaag ctctatgcaa attcaaatga 300
cagtaacttt cgactcggat gtccgattga gtcattttat gaattgagac gctcaaaatt 360
gaatgcacga gctcttacca gatccaaatg acaataactt tntactcgga tgtacgattg 420
agtgccgtaa tataatctaga cgctcaatat tgaaa 455

<210> 1931
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1931

tactcaagct cttatccatg gcttcctatg gtggtgagct tcttctttac tttcttctcc 60
ttaaagtggc gtctccaatc atcattcttc catctccatt ccgctgtcat taatcttcaa 120
gaagcaaagg actccattga tgaagaagat ccaaggccta caagctccac aaggagctac 180
atcatttttg gtttgatata tagactttta gtccactatt actattgtgt agggtagatt 240
tgtcctttgc aacaattaat aagtataaat taacataaat atctcatcat caatataata 300
ttctcaacaa caacatgata aattacaaac aaaaaattat agaccaacc acccatcata 360
aatatgtatg actttaccat tataacaatt ntatacttca tgtttaaggg tatcaaaacc 420
cctcataagt ctttgggtac tatctccttc atcttttatt atgtgcatat gaccttcat 479

<210> 1932
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1932

cggattcttt ttactctgga aacctcttct ttctatgtga acctcaacc aatctctggg 60
 ttggtaaaca acctttttgc gaccttggt tgcttatcta gcatagctct catctctctt 120
 ttcaatttgg gcttgactc ttctatggag ctttttctca cagtccgctt tggcttgta 180
 ttctcatgc ttaaaaactg aaatattagg cattggcaac aaatcaagag gagttagtgg 240
 attgaaacca taaataacct caaaaggaga acaactagtg gtgctatgta tagccctatt 300
 ataagaaaat tcaatatgag gtaagcaaac ttctaattt ttaagattct ttttcaaat 360
 ggctcttagc aagataccca aagtcctatt catgacctc 399

<210> 1933
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 1933
 aacacgacat ggagactatc tagcatagct aatagggaag acaacaacta aacattccca 60
 gatggtaagc gtgcaattat aaatcccaat tccactgcag tacatgatca caattcctat 120
 taactgctat tggcagtaac caagttcata aagaacagtc cacaactcaa tgcggccgga 180
 tctgcccga ataccctaa atcgacagcc atgcgaccac aatctaaaac cttggtagta 240
 acataagcat ggggccaaat acatgaataa gagaggctag ttttacttta cccctgagca 300
 aatatgcgac cagcctcaag agcattgtga ccaacttcac tattaccat gtcattctt 360
 gttggaaagt ctacagcggg accatgagcc ctaaccaatc tccatcgt 408

<210> 1934
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1934

tactcaagct tctcatgctg agtaggaccc cagtagtacc ctntcaatcc cactacattg 60
 ggatgcctga tgtttgcaat ttttttagcc tctttggtaa attcttttct ctttgttgcc 120
 attccttctc ttagccactt cactctcaat aacaaacct gctccagagt tgccttgtaa 180
 gatgtaccat gactgcttct ccccaaaact tcagctgggg ctccagacag ctctcatgt 240
 gtcaatgtta ttgcatcatc aagaaaataa agttctccag tcaattttatc tgctgatctt 300

gcatatagtc ttgcatgatt tcctacagaa actgaatcac tagatcctgg tgatgaaaag 360
 tggctatfff ttgatgggga gaaccttggt gcagctgcc tttttcatc atggctgata 420
 atctcagatg acgaaccttt ctgtgaggtc acaaaatect cggctgatac 470

<210> 1935
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1935

tactcaagct tgtatctgtg gattcacttt cgatctcaac tataccataa ggtataacat 60
 tattcaccac aaaaggacca atccactttg acctcaactt accactcatg agtccgagcc 120
 tagagttata caataaattt ttttgtccaa ccacaaagtt cttcttagct atcaagctgt 180
 catggaactt cttgggtcttc tcctagtaga atttgaatt ctcataggct tctaaacgga 240
 tctcatctag ctcaacttagt tgcaacttcc tttctctcc agcctgggtcc ataaagaagt 300
 tgcaagtctt tacagcccag taggctttgt actctatctc tacaggaaga tggcatgtct 360
 tgccaaagac aacccgataa ggagacgttc ctatgggtgc tntgtacgea gtccctatgcg 420
 cccaanaagc atcatct 437

<210> 1936
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1936

agctagaaat ccaatgcaat ccaagttatg atctaactat ttatctattc catatccaat 60
 tgactaaatt aattaacata agtgcataac ataaccacca catatctaact caactggatt 120
 taaagttgca accgtgccaa ttcgacgata atataaaacg aagtaaactc acgaacctat 180
 catcatcatt attgggtgtat tgaactaatt aaatfttttt ctatcgtcaa acaaacatat 240
 tattattata gtaacaggta ccagnggcac cacatatcat acatatatat ataactaatt 300
 aattagtgc acatatacac aataaaaccc aactgtctag ccaaacgctc taataacaaa 360
 aataaataaa ctatatattc ttataatgaa gactatcaag aaaggaataa gaaacaatgg 420

agattatatt ccacggcacc accatgcact attagtatat tactaatcat ccatgga 477

<210> 1937
<211> 390
<212> DNA
<213> Glycine max

<400> 1937

gaaagaaggt tgtcttcgaa cccggagatt gggtttgggt gcacatgaga aaagaaaggt 60
ttccggaaca gaggaaatca aagcttcaac aatggggaga tggaccattt caagtgcttg 120
aaagaatcaa tgacaatgct tacaaagttg agctgcccgg tgagtataat gttagttcca 180
ccttcaatgt ctttgattta cctctttttg atgcagatgt agaatccgat ttgaggacaa 240
atcctttctca agagggagag aatgatgagg acatgaccaa gagcaagggc aaggatccac 300
ttgaaggact tggaggacct atgacaaggg ctagagcaag gaaagccaag gaagctcttc 360
aacaagtgct gtccatacta tttgaataca 390

<210> 1938
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1938

agcttgaaat tgaacaacgg aagctctcga gattatcgag tggatcatata atttcacaca 60
gatgtccgat tcggggaaat aatatatcga gacgcacgan attgaacaac ggaagctctc 120
gagaaatttg aatggtcata acatttcact cggatgttcg atccggggac ataatttate 180
gagacgctcg aaattgaaca accgaagctc tcgacaaatt agaatggctg taacttttca 240
cgcgaaatgtt cgattcgggg acataactca tctagacgct cgaaattgaa caacggaagc 300
tctcgagaaa ttcgaatggt cataagtttt cacacggatg tccgattcgg ggacataata 360
tatcaagaca ctcgaaattg aacaacggaa gctctcgaga aaatcgaatg gtcataacgt 420
ttcacacaga tgtncgattc ggggacat 448

<210> 1939
<211> 409
<212> DNA

<213> Glycine max

<400> 1939

tgagcgcttg ccatagcttc taactcaagc cttctggcct catatacttg ggaagcctct 60
tctgcagtgt tgaaagtgcc taaccatata cgattgttct gaaatgggtt atagatctca 120
gaagcccatt taccccattt tctctgcctg acacctctat atttaccagg agtcttcctc 180
ctcgtgatg ggggatgagt caaaaccctc ttcttacttt ggggttgacc tttagtgcta 240
acctcattg tatttatttt gttattcaac tcacaagaac tagtttcaag agtgggtgaat 300
gtgtgaagaa gacggagaag agagatctca cacatacttc ttttaactat tctcgggttc 360
tgaatcctct tggagtcac atcggatgaa tcagtagcat caggatcgt 409

<210> 1940

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1940

agctngcatt acaatagatg tttttaaga taaattaaat aaattattat tattatataa 60
tagcataccc aaagcgaatc atttcttgat taggtaaaat gttcactaac ttttgcttag 120
attcctaagt agaagcatcc tttctaattc attttttttc tctcttcttt ttataatta 180
tttaggtggt aagtcctact ctactagggtg actatgatta ttaaagaatt tggccatcaa 240
cattagtatt atttttttta taaacgtgtt catattttta aggatataaa atgctcagat 300
tcaagtgcaa gaacagaatg tattacaatg ataaaaatta ataaaaacaa attatttata 360
aaatttaaga ctggataagt tctcattaat aattatgtat actctattcc tataaaatat 420
aagaatggtg gcttaattat gtattctcta cttgccatgc aacatnttta tgggtcat 478

<210> 1941

<211> 489

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1941

ctcacttgat gcatagagaa gagtaacacc accacctgca caaagcacia cacantcaaa 60

ttgattgaac aacatagaat tagaactaag catacaactg ccagtgctaa taatctacct 120
 ggtactatgc cctcctctac agctgccttg gttgcattta aggcattctgt cactctatcc 180
 ttcttctcac caacttcagc ctcaactggct cctccaatct gcanaagtaa ggtttcagat 240
 gttaatttta tcatgacaaa accatatgat gaagcaccag ataagactta acagcaagca 300
 aggtaaactc aaataaacia accttcagta ctgcaacacc cncagaaaagc ttggctaate 360
 tttcctgtaa cttttccttg tcataatctg aagtgcatt ntcaattgct gatctaate 420
 gcttgtaaa attcatcaca agacacaagt aaaacacatc aataagtatc agtacatgaa 480
 acagaatac 489

<210> 1942
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1942

tcagtgcat actatngatc aaaacaaagc aggtataaat atgcaatact agactcaaaa 60
 tatgcaacaa aactagacc taaatcagtg tcacagaaat tggaagaaaa tattttatcc 120
 aagcaciaac ttcaagcctt attccatgta ttggggggaa gttatggctg gccatatggg 180
 tagagggtgc atagaggagc aggtatggag gaaggacct tggactgctg aagaggacan 240
 gttgcttggt gagtatgtca ggttgcattg tgaacgtaga tggaactctg ttgctaggct 300
 tgcaagtaag aaacacaaaa ctgttatcac tgtttcgcta ctaaaatata tgatcggatt 360
 ttcacattta caaccga 377

<210> 1943
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1943

gcttacanag agaatcatct agatataaca actgtggaag ttctcttacg aggctatgct 60
 tttcaagctt taagattaac ctcaagctag catgaccaag cttctcatgc catgcccaat 120
 gatgctcttt gactgagagt aagcatgaca cttttttact ggatagatca ccaagtctaa 180

tcttatagag atttccttgt ctcttagcag agaagagtga agacctatcc ttgttttgga 240
ctatacacat atccttaata aaggtagacat tatatccact atcacataat taacttatgc 300
ttagtagatt atgcttcaat cctttaacaa gcaacacatt ntcaatagga ggatagagag 360
ggatacaaat cttactgaca ctagttatca aatctttttg attccctcca aaagtgatcg 420
ccccatcaga catagggctt aggaattaga acatagactn tnttctgtc atgtgtcgtg 480
agcagccact g 491

<210> 1944
<211> 137
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1944

gtctcacatt atctgcctca attcttggag tgcagcttat gtatctattg ngtaacttca 60
ctcagtgtca attgatttta agatgaaatc taacatggta tcagaaccca taatctatct 120
tggttctcgc ctattct 137

<210> 1945
<211> 468
<212> DNA
<213> Glycine max
<400> 1945

tactcaagct tgtagattat tgatttaaac attatttagt ttattctttc ttttatacat 60
aatatacatt tatgtaaagt ttactttcac catttagttt gtcaaattat atcaaattca 120
agttagacaa cattattttc aatatttgac tcattgtatt aagttgaata tgacaattct 180
attattattt gtatctaaag ataattatta taaaattcaa taaatttaca ttacattccc 240
taaaaaaatt ataatacata atattttata atattttata atttgatgac aataataatg 300
ataaaatgca ttaggctagt taactcaact gaaacctttt caatgaaatt tatgtcttta 360
aaatataata tcatattaaa tatgaataac tttagtctca tgtaagtatg atataaatatg 420
gacttaactc ataaaattct gacttttaca ttactcaagc tttattaa 468

<210> 1946
<211> 313

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1946

agctntactg taacaatgaa gaatgcttct atgaattact tcattccccct gaagattgca 60
atgtgaactc atccttgtca ttcacacttc aggtactttg taaagtattg gcggtgtggt 120
accttttagtt ctactaatat ccgcccttct aatagttgaa acttgaattt ctgtatgttg 180
cctttctaga tctgcagagt cgatgacatc ctttgtgaaa gccttataaa aggttctgtc 240
gatcatttcc acagggcgag gaccataagt gttgaatctt ctggaacaat atctgcctct 300
ggaatgggta tgc 313

<210> 1947
<211> 454
<212> DNA
<213> Glycine max

<400> 1947

tactcaagct ctgatgggtg tgagaagaca tcacatgttt gtcatcatca attatgggga 60
gaatgtgaat gtatgtatac atgattttga tgatgtcaaa agaagaatca aacaagactc 120
atcttgcttc aagattaata caagattgtt tcaacaaaca aagccttgat tcaagatttc 180
ttcaagatca agccttgtct cacaatgaaa ggtttcaagt cattcaaggc acatgtaatc 240
gattaccaat acatgtaatc gattaccaat ggtttgaaat tgtgtaatcg attacacatc 300
atatgtaatc gattaccaga gactctgaat gttgggaatt caaattttta atgaagggtc 360
acaactgttc aagaaaaaca actatgtaat cgattacact aattctgtaa tcaattacca 420
gagaggattt taaggaatat cgccacagtc acat 454

<210> 1948
<211> 390
<212> DNA
<213> Glycine max

<400> 1948

ttaacacctg agctgcagct tgatgcaaca tttgggaggt attgattctt cgagatgatg 60
cgctccatga gaggttggat caaatggaga atagagatca taatgaagaa gataggagga 120

gacaacggaa tgatggtggt tctagacaaa accgaattga tgggtattaaa ctcaacattc 180
 ctccatttaa aggaaagaat gatccggacg cctacgtcga gtgggagatg aagatagagc 240
 atgtcttctc atgcaccatc tatgaggagg accagaatgt gaagcttgcc gtcacggagc 300
 attccgacta tgctcttgag tgggtggaaca acctgcataa cgagagagca agagatgaag 360
 agccaatggt tgatgcatgg acggagatga 390

<210> 1949
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1949

agcttctttg agnaaaacttc cttgagaagc tactgcttag ctacacacac ccctctcata 60
 actaagctca cctccttgag aagcttccct aagaagattc ctaaagaagc tagagattag 120
 ctacacatac ctctctaata gctaagctca cctccttgag atgaaaagct agagcttagc 180
 tacacacccc ctataatagc taagctcacc cccatgacaa aaaaaaaaaa aacatgaaaa 240
 tacaaaaaaaa gtccttacta caaaaactac tcaaaatgcc ccgaaatata aggctaaaac 300
 cctatactac tagaatggcc aaaatataag gcccaaacga aggaaaaacc tattctaata 360
 tttaaaaata taagcgggct catacttagc ccatgggctc aaaatatacc ctaaggctca 420
 tgagaaccct atggccgttc cttggatctc tagcccaatc ta 462

<210> 1950
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1950

agcttcttag tctcggctaa tgaagatgaa ttctttgcta cttcatgcac tcttctaag 60
 acaatagcat ctttctggc actaatttgc tgggagttgg aagccatctt ctcaattaaa 120
 tttctggctt cagcaggggt catgtctcca agggctccac cactggtagc atctatcata 180
 cttctctcca tgttactgag tctttcataa aaatattgga gaagaagcta ctcaaaaatc 240
 tgggtggtgag ggcaactggc acatagtttt ttaaattctc cccagtattc atataggctc 300

tctccactga gttgcctaata gcctaaaata tcttttttga tggccatggt cctgcgaagc 360
 agggaaattt tttctaagaa tactctcttg aggtcatccc agctcgtgat ggaccttgng 420
 gcaaggtaat atagccagtc cttctccact cctctaaag aatgaagaaa agccttcaga 480
 aatatgtgat 490

<210> 1951
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 1951

agcttgctcag ggaacaatta tgcattgtatt catagatgag agctttcttg cgtccttcca 60
 aacagaatca aagaagtatg acaacattaa catgagaagt tctactgata cactattaga 120
 aaatatgttt tctacatcgg ttatttatga ctttcaacat cggtttttca accgatgttg 180
 aaagtaccga cgttgatagt attatcgtta acatcgggtt ttgaaaaacc gatgttaacg 240
 taaaattacc aacatcgggt atataaataa ccgatgctgc taatatgaat tacaccacaca 300
 caatgtatat taatgctgaa agttaacatc tgtttttaca tagaaccgat gttgtgttca 360
 gaat 364

<210> 1952
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1952

agcttattgg agatggagct tcggtggaga gataagtcct tgtttggctg atttaaagca 60
 tttgaattac ttggacttga gcggcaatta ttacttga gcaggtatgt caattccttc 120
 tttccttggg acaatgactt ccttgactca cctcgacctc tctgatactg gattctatgg 180
 gtagattcca tctcagatnt ggaatctctc aaatttggtg tatcttgacc tggcgtatgc 240
 cgccaatgaa acaattccat ctcagattgg gaatctctcc acattggtgt atcttggcct 300
 tggaggatcat tctgttgctg aacctctgtt agctgaacat gtataatggg tatcaagtat 360
 gtggaagctt gaatatcgtt atttgagtaa tgcanaccta tccaaagcat ttcattggct 420
 acacactctc caatctcttc ct 442

<210> 1953
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 1953

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agcttttctct cacaattaat gtgtctactg actaacaatt ctaaatagcaa gttcacattc 60
ttgtgccttc tttgtctaac atacacactt gtcctaaactc atgaaaagag acacaaattc 120
catcaaaatc atgcactcaa ttcaaaataa agacatacac ccattttttca caaaaagata 180
aaagtacttc actgccatat cattaaaaact aagttaaact gttcaaaatg cttcataata 240
agcaaacaaa ctaccataa acaaaactaa caaaaaggaa ttaatgtact aaaaccatga 300
ccataataat aataataatc taaaaggcaa caacaaaaga aacacaaaat catcaggaat 360
atcaacattc ttgtcagtgt gagccacaat ttcctcagca gtccatccag tcagaaaagt 420
cataaccatc atctatgttg caagat 446

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<210> 1954
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1954

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agctntgaaa tctgaagttt aatattcaca tgatcaaagt tcataaaaaa tgcacacaca 60
tgacctctat ttatagccta agtgtcacac aaaattggag ggtttgaaat tgaatttgtg 120
gagccaaact ttggagccaa aatttcacta attatgatta gtgaatttta gttatgggtc 180
agcccactaa tccaagatca aatataatat tctccactaa gtgtgcttaa gtgtcatgag 240
gcatgaaaag catgaaggac atgcacaaag tgtgactata tgatgtggca atgaggtgta 300
gtaagcaaat gtcacctgc cctctaaaaa tttaattgga ttgggcttct accaattcaa 360
ttaaatntat ttccaaccac acacatcaaa tatccactta gtgcatgtga nattacaaaa 420
ctaccctaa tacanaaact 440

```

<210> 1955
 <211> 469
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1955

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agcttcacan aatgtggaga taaggatggt atagtacaag ttcctttaac tagtacttct 60
acttcaagaa ttgttggtcc ttatactggt gaaccacaca acaatcaaga agaacaacaa 120
attaatgata ctgagggttaa caatgaacct atagtagaac aatcacaaga catagtatta 180
agaagatctc atagagaaaa ggagatctgc tatttcgaat gattatgtga tttatctaca 240
aaagtoggaa aatgacttaa gcattgataa tgatccatca gtttcatttt caaaagccat 300
taatggtgat gattctggac aatgattaca tgctatgaaa gatgagctta aatcaatggc 360
acanaatggt gtatgggacc ttgtggaatt gcctgaagga tgcaagagag ttgggtgtaa 420
ataggtctnt aagactaagc gtgactctca tggaaatatt gaatgacac 469
```

<210> 1956

<211> 302

<212> DNA

<213> Glycine max

<400> 1956

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aaactaagct tgtaaagtgc tggatgggct tttccttcgc aagttgactt gaagatgtac 60
aacagttacc ctgagctctc tgatgccttg tgcaagatgt ataactcctt caccattggt 120
aactataatt aatccataat ttaccatata tcaacttttt tttatataga atttaatgac 180
tgatcataac tcttacgtat cagtatctag attgttttct gtttaatata actacccaaa 240
agatatggat cttaaatttg atcatgttga aagctcacta atggtgtatg tgaatattaa 300
at 302
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<210> 1957

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1957

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agcttgaacc tgctaataca aagccttctt tctgttccca aaatcaagtc ttttaatttat 60
ctgatatttt ggaaacacgt caatttctga aatatatact ttatganaaa cgattcttaa 120
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aattaattag attgatctca ataatgcaga ttttaatcta atgccctttg tttgagttta 180
tctttttaa ataaaaagat atgtttaaca aatggtgcaa taattgtgaa taatataaat 240
aacttaaaag acgtctccaa tgctntttcc atatttgata acgcacattt aaaatagttt 300
gtaacaaagc tgcataaaga aatacttaat ttttaataat gaataaacia gcagatctca 360
aatctatcag cgactgggat agacatcata cataaagagc acacatacta tgaaggcttg 420
tcattgtgaa tc 432

<210> 1958
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1958

gaagttagat atatgtgatt atctattcgt tatatatata tatatatata tatatatata 60
tatatatattt gcagtttggt aattaagact taaaggccca tgtcagtgtt atatatattat 120
tgttttgaat tggtttagtgc atgtatatta catagatttt atactattat taattaattg 180
atgttgaaga tgttataatg ttgttatgat atgatttttg aaaattagtt gattcagtgt 240
atgtgtatat aggttggtgc ttgtaaatat tgctatgaat gtataatatg atatatgagt 300
ataagtgaag tatgcgtgct tatgaatata tgtgaagaca atgtgtcatg gtatgtgtgt 360
gtgctgcgaa aaaatgtgag aagaatctac tcccccgga taggaatctn caagagatnt 420
tgaaattaaa ccatgtgcat attgtgtgtg aaccatgaat catgttggtgc atatg 475

<210> 1959
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1959

ctcgacccgg atccttaagt cactgcggct gcagcttggt cctgattana agaaatcttc 60
tttaataaag ccaatctagt tcgacaattg gtgaagttgg agtataatga tggatcatag 120
atgattgagc acttgaataa ttctaaaggc ctcgtaaatc aattaaccaa aattgagatg 180
aagattgatg atgagttgca agcccttcta ctccttagtt ccttgctgga aagctgggac 240

acactcgtgg ttacacttag taactcagct ccagaaggaa agctcaccat ggatacagtc 300
 agtgacagcc ctctcgggtga agaagcaaga agaatggaac gaggtgagtc tatccatccc 360
 gaggctaattg ttattgagaa tcggggtagg aatgagactc gtggatgtaa taagagccga 420
 gatctgagtt ttcccaacac tattcaacac tatggatgta atgttattga gactcgttca 480
 c 481

<210> 1960
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1960

agcttgaagg anaacttgat gcctttgtca acctagtaac tcagcttgcc atgaatcaga 60
 natctacacg tgttgagaga gtttatgata tatgttcttc tgcagatcac catacagatc 120
 tttgtccttc tgtgcaacaa tctaaagcaa ttgaacagcc tgaagcttat gctgcaaaca 180
 tctacaacaa acctcctcaa cctcaacagc aaaatcagcc agaacagaac aattatgacc 240
 tctccagcaa caggtacaat cccgggtgga ggaatcatcc caaccttaga tggctgaatc 300
 cttcacaaca gcagcaacaa caacctctat ttcaaaatgc tgctggccta agcagaccat 360
 acgttccttc accaatccag caacaacaac agcaaca 397

<210> 1961
 <211> 398
 <212> DNA
 <213> Glycine max
 <400> 1961

agcttgcata caagattctt ctgcttggc acttcaaaac cttctggttg ggtcatatag 60
 atgtcttcct ctagatcccc atgcaagaat gcagctttaa catctaactg ctccaagtga 120
 agattctctg cagctactat gtcagaata actctgatgg tagtcatctc tacaactgga 180
 gagaagatct ctgtgaaatc aattccttgt ttctgctgaa accctttcac cacaagtctc 240
 gccttgatc ttcttctacc gccagattct tccttttagcc tatagacca cctattctgt 300
 aatgccttct ttcttctgg caatctactt aaagaccacg tcttattctt ctgaagggat 360
 gacatctcat ctttcatcgc tagctccac tcaatagt 398

<210> 1962
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 1962

cactattgat gctgcaattg agtgaagaga tctggctatt gcaagaacga gtttcgttat 60
 tacagagagc tatcacgata cacaacgagc ccacgctgtt gtttggttact tatatttaaat 120
 atgttaaatt acttatttat tcttataatt tcgttctttg tatttttttaa tttcaatagt 180
 taataatgta attttcttaa atacttatag tttaaaaata tttttctaat tctgaccatc 240
 tgcattctaa ttcttttcta cctcatatcg cttaaaatta atcttttttaa ttcataataat 300
 ttcgatttta atcatcttta atccctgtcc aaaa 334

<210> 1963
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1963

ctgcangcat gcaagcttgc ttctacaatc aagaatgata tgaatgttct aattctgata 60
 ataacaatca ctgagtggat aatgttattg attagaggaa gctaattgaa gccaccagga 120
 aagaccatta cccgcttccc ttcatggatc aaatgcttga gagacttgca gggcaatctt 180
 tctattatct tttagatgga tattcgggct ataatcaaat tgcagtggat ccttaggacc 240
 aagataagat agctntcaca tgcccccttc 269

<210> 1964
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 1964

tgaatggttc gttcagctcg accatctgtt tgaggatgat aagctgaact aagcttcaac 60
 tttgtcccca aggettcctg tagactcgtc caaaatcgcg aagtgaacct cggatccctg 120
 tcagatacaa tactagaagg aattccatgc aaccttacta cttccttgat gtacaactcc 180

atgagtttct ccattctata cttcatattc actgggataa aatgagcaga ttggcgagt 240
cgatctacta tgaccacac tgcacatgt ccacgactag tctt 284

<210> 1965
<211> 287
<212> DNA
<213> Glycine max

<400> 1965

tcaagagaca gtgcctgagc tgcttaaaaa ctccttgctt gttatgaaga tgaggggtat 60
actggcccag aggagtgcct tgggtggtga tagtctgtgg gaacttacat ggctacacgt 120
gaataacatt tcaccatcat tgcaactga ggtattccct gagcaggatt ctgagcattt 180
gcagcacaaa caggggtgaat caataagttt gctgcctgat gaaaagggtt tctgctcttc 240
aagtgaaca acaatctgcg aacatgctgg cattcgttgg taactat 287

<210> 1966
<211> 380
<212> DNA
<213> Glycine max

<400> 1966

caggcatgca agcttcattc ctttctcact catgtgtcca agtttttgat gccacatggt 60
cgaattattg atagcttcag taactgctac cttatctca tctgcaagca tgtaaagaag 120
accttgcat tttccacgag ccacaacgag attgcctttt gttaccttcc aagctccatc 180
acaaaaagtg gtgtgatgtc cctcattatc caactgctct atagatatta aatttatctt 240
taaggcgga atatgtctga cattgtgcaa tgtccatagg gattcactgg aggtcttgat 300
gttgatatca cctcttccga caatgtcaag agactttcca tctgcaagggt aaactttccc 360
aaatcttcca gaaatatagc 380

<210> 1967
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1967

agcttagatg cagaacaaga gaggttacat ggatatataa gagatctcga gcaaaatagg 60

tcgcgtatga tataatttaa aatgtaagtc caacattggt tttcaataca aaaccgatgt 120
 taacagaatg atgttaacgt taacatcgggt tttcttcaag aaaccaatgt taactgggtca 180
 tacgttaaca tcgattntca gaaaatcgat gttaacgaac atagggttaac atcgggttttc 240
 ttcaaaccgc atgttaacga agagatatta acatcggntt tggaaaaacc gatgttaaca 300
 aattaatggt aacatagggt ttacaagaac cgatgtaaac gtcact 346

<210> 1968
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1968

cgaaggcaca ctggatgtgt tggtaactc ggtaaccag ctgttcttga atcagaaatc 60
 tgtacctgtc gcaaggggta ggggatagtg ctgctctgct gaccacgata cagacctttg 120
 ccttccatg cagcaacctc gagcaattga gcagcctgaa gcttatgcag gacatatata 180
 caatagacct cctcaacctc agcagcanaa tcaaccacag cagagcaatt atgacctttc 240
 cagcaacaga tacaactctg gatggaggaa ttaccctaac ctcagatggt ccagccctca 300
 gcaacaacaa caacagcctg ctcttctctt ccaaaatgct tctggcccaa gcagaccata 360
 cattctcca ccaatacaac aacagcaaca acctcagaga cagccaacag ttgaggcccc 420
 ttcacaacct tncctcgaag aacttgtgag gccaatgact 460

<210> 1969
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1969

caggcatgca agcttctagt ctcaattnta gcgtctcgat atattacca attcaatcgg 60
 acatccgagt aaaaagttat tgtcngttga atttccctacg agcttctgtt ttcaatttgg 120
 agcgtctcga tatattaaag gactcaaccg gacatccatg tataaagtta ttgtcaattc 180
 atatttctta gagcttcgga ttaaaatctt gagcgtctcg atatattacg ggactcaatc 240
 agacatccga gcaaaatggt attgtcggtt caatttgata cgagcttcta ttttcaattt 300

ggagaatctc tccatatatt acaacactct gtcgggcacg cgagtaaaaa gttattgtcg 360
 tttgaattct ctaagagttt ccgttttcaa tttggagcgt ctcgatatat tacgggactc 420
 aaccggaca 429

<210> 1970
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1970

cgctacattg atgcatcttg gctacggaat cttcgaattg ggcacttann atttggaggc 60
 ttaagtctgc tatcaaagga gaagatggta agaggactac cctatattaa tcacctgat 120
 caactctgtt aaggatgttt acttggcaag aaatttagaa tgatttttcc aaaggagtca 180
 aactcaagag ctaagaagcc acccgagcta atacatgtta acgtctgtgg gccaatcaag 240
 cccaagctc actacgtaaa aataaatatt tcctctttct cattgattat ntttcaagac 300
 aaacatgcgt ctatttctta aagcacaaat cataagtctt ttccacct 348

<210> 1971
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1971

atcttaagtc gactgcagct gcagctatta ttccanaacg agttttgata atttatcatt 60
 ataagaacaa aatatatgca tgttgaaatt tataagaatg aaatctaaca ttatatgata 120
 taaacatata tttaaggttt gatataatat tcataataac ctacttaaaa atatattttg 180
 aaataatata tttaataaag acataagctt attttttaat aaacttaact ataaaattta 240
 gtctaccgct ttatataaat caacatgatt aacattttta aaaataaata catgtaagat 300
 tttaatgtat tatatcaaat ttaatataat aataacacta ataataaata tttatttatg 360
 aacttttaaa taaatgatct tggttaagtct aaaaaagttt 400

<210> 1972
 <211> 395

<212> DNA
<213> Glycine max

<400> 1972

agcttcatgc ttaagtatgt atgggttaaac ttcattacta ttgttcaaga catactagtg 60
agcttgtaat aaatcttcta gacttggagt gatcacatgc agtcctcttg aacccttacc 120
accactctg tcatcatgcc gagactcagg aaggccaata ggtttagcct tctcaatgta 180
ttctgaacaa aatttaatgg cttcttctgc aatgtacctc tcaataatag atgcttcttg 240
acgataaaga ttctttatat acccttttaa gatcttcatg tatcgctcaa ccgggtacat 300
ccacctcaaa taaacaggac cataacattt gatttctctg accagatgca caatcaagtg 360
aatcatgatg tcaaagaaag caaggggaaa ataca 395

<210> 1973
<211> 177
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1973

tgcaatgtat tgctcgacaa ggacatgaat gctngttggt tatcttgggc ttgcaaggct 60
gcatcaccat gaacatgtgg ctgacacaac aagagtata gggactctgg ggtacatggc 120
acctgaactt gtccgaatcg ggagaccatc agctgcatgt gatgtgtata gtttcgg 177

<210> 1974
<211> 158
<212> DNA
<213> Glycine max

<400> 1974

gcttcttccc gttcgtcgtc atgcagggtg tcaacatctt cattaagcct ctgtctcatg 60
ctctatcttc aggctgatat tccaagctgt gaatgatgaa catgcagtcc cagcttgagg 120
cggctctcag tcgaagccta cgtacgctgg ataataca 158

<210> 1975
<211> 389
<212> DNA
<213> Glycine max

<400> 1975

agctttgatg caacatttgg agagtgttaa tgaatcaacg agatgatgcg ctccatgata 60
ggttggatca aatggagaat agagatcata atgaagaaga aaggaggaga agaggggaatg 120
atggtgttcc tagacaaaac cgaattgatg gtattaaact caacattcct ccatttaaag 180
gaaagaatga tccggaggcc tacttggaga gggagatgaa aatagagcat gttttctcat 240
gcaacaacta tgaggaggac caaaagggtga agcttgccgc cacggagttt tccgactatg 300
ctcttgtgtg gtggaacaag ctacaaaagg agagagcaag aaatgaagag ccaatgggtg 360
atacatggac ggagatgaaa aagatcatg 389

<210> 1976

<211> 415

<212> DNA

<213> Glycine max

<400> 1976

ccaatatgaa taacatcttc caacaatcaa aataaatatt tattctataa tgataaaatc 60
atthttcaatt cthtttaaaa aaaattaccc tgtatgaaat tgaaaaagtc aaatctthta 120
ctttacgtgt tatttcaaaa atctaataatt tctatthttc thttgcagaa atgaaatgac 180
agctatacat aaataggaat gacaatgatc aagatttaca tagggtccta tagtattcct 240
tatataactt ttaaaatatt tattataaaa attaataaat ttatggthttg atttataaat 300
aatgacata ttggaaagtg aaaaagatct ttacactatc aatagatata ttactthtcta 360
tattthctcag aaaaggctat atatatatct atattatcac ttaatagtct ctata 415

<210> 1977

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1977

aattaataat actaaaatta gatagacttg ttggaactth aaattggthct gatatctagt 60
ttggatatag thttatcaaat tgcattthctt actacaccgc gataacatat attgtagtaa 120
ttacaatgth tgcattatta cattaattat actcgtcatt tgtgtaatat thttthtataa 180
tgtcaaatth taccaatcta aatthntatta agcagataat atttatataa aaaacagaga 240

caatatgtag ataattagat taatttctta agcatgttat taagagggtc ttattctg 298

<210> 1978
<211> 331
<212> DNA
<213> Glycine max

<400> 1978

tggacattac ttcttctatg gacgctatat ctacgcgcat aatatatcgt tacgctcaaa 60
atcgaacaac ggaagctctt gagaaattca aatggtcata accctttcac tcggagggtcc 120
gattcatgcg cataatatat cgagacactc gaaactgaac aacggaagct ctcgagaaat 180
tcaaattgggtc attacttttc actcggagggt tcgactcaag cgcataatac atcgatacgc 240
tctacattga acaattgatg ctcttttagcc aatcaaattg gcataacttt tccctcggag 300
gtctaattca ggcgcattat atatctacac g 331

<210> 1979
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1979

cttaacanaa ggcattcaaa gtgggtggaa tttctagagc atttccctta tgttatcaaa 60
cataaaaaggg aaaaggtaat attgtagccg atgctcttcc tcggcgatcat gcattgcttt 120
ctatgcttga aacaaaattg attggctcttg aatgtttgaa aagcatgtat gaaaatgatg 180
aaacttttgg agaaaatttt aaaaattgtg aaattttttc agaaaatgggt ttcttttagac 240
atgaaggctt tcttttttaa gaaaacaaat tgtgtgtgcc taaatgttct actagaaatt 300
ngcttgtttg tgaagcacat gaaggagggt taatggggca ttttgggtcc aaaagactct 360
agaaacatta caagaacnat tttattggcc tcatatgaaa a 401

<210> 1980
<211> 389
<212> DNA
<213> Glycine max

<400> 1980

tacacattca acttcgagcg tctcgatata ttacgagttct ctatcaaaca tccgagaaaa 60
aagttattgt cgtttgaatt tgctcagagg ttcaacatta aatcttgagc gtctcgatat 120
atgacgggac tcaatcagac atccgagtag aaagttattg tcgtttgaat tagctcagag 180
cttcaacatt caatttcgag cgtctcgata tgtgacggga ctgaatcaga catccgagta 240
taaagttatt gtcgtttgaa tttgctcaga acttcaacat tcaatttcga gcgtctcgat 300
atatgaccgg actccatctt acatccgagt aaaaagttat ctgccgtttg aattgggtca 360
gagcttcaac attcaatttc gagcgtctc 389

<210> 1981
<211> 357
<212> DNA
<213> Glycine max

<400> 1981

aggcatgcaa gcttagagcc aattcaaacy acattaactc ttttctcgga tgtctgattg 60
agacttttta tataacgaga tgctcgaagt taaatgttta agctctgagc caattcaaac 120
gacaataact ttttactcgg atgtttgatt gaggcctgtc atatatcgag aactcggaaa 180
ttgaatgttg aagctctgag ccaattcaaa cgacaataac tttttactcg gatgtctgat 240
tgagtcccg ccatatcga gacgctcaaa attgaatgtt gaagctctga accaattcat 300
acgacaataa ctttttactc ggatgtctga ttgagtcttg taatatatcg agacgct 357

<210> 1982
<211> 227
<212> DNA
<213> Glycine max

<400> 1982

ggacaagtac ctaagaatat ctgttccatg agattctgaa gttttttcaa gggctctctc 60
actctaactt aggcgtctaa cttcaccgcc tgttttcaat ttatccttca ggcaaccctc 120
gagtttcgta ttatggatag tgattatgtg cttgtaatca ggtgaacaca cctgatatgg 180
tttgcgggca catctacatg cactttcatt tccctcatga tgatcac 227

<210> 1983
<211> 432
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1983

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cttgcagctt gtccttatgg ttattaatgt atgaattggt gcttttgcac ctcttccttg 60
ttttgttata tatctgtttg cattcgggat tccaattttc atcaacagtg gttaccctac 120
tcttcacgtg aagtggaact tgtgggttat ccacaagctg ctgcttacc tagtttatgg 180
tntcactactg ttcattgata attctaggtg gagagaaagg ttacctggtt agtgtcctgg 240
attgttatat tattttatct ttaattagtt ttatgatagc atagtttata ttcctctttt 300
ngcagcaagg cctgcttact ataagtatgt taccattatg ttcattctga atgcaattgc 360
gctgtttgct cgcggcatta ctggaaacgg tgctgctttc ggattctggt tagattcttc 420
tattctatat ct 432
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<210> 1984

<211> 382

<212> DNA

<213> Glycine max

<400> 1984

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acactgtggt catgctctcc caacagcaca tgtataactca cgatcccaat cagacactat 60
gctagatggc acaccatgta atccgacaat atcactacta tacacggagg ccaacttctc 120
cacggaaaat atgacactaa tgggaataaa gtgagcagac ttggccagcc tgtcaacaat 180
aacctatata aatcaaactt tttgggttta ggtaggccta caacaaaatc catacaaata 240
ttcgccctct tccactgggg tatctacaag ggttgaactt ccctaaagtc tctggcgttt 300
catcttacc tcttgacaga ctaaacaatgc atacataaac tcaactaacct ctctcttcat 360
gttaagacct tacaacagga tc 382
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<210> 1985

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1985

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gcattctatca tactttcttc catattactg agtccttcat aaaaatgttg gagaagaagc 60
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tgttctgaaa tctgatggtg agggcaactg gcacatagtt tcttaaactg ctcccagtac 120
 tcatacaggc tctctccact gagttgtcta atacctgaga tatctttcct gatggctgtg 130
 gtccctggaac anggaaaaaa ttttctagaa tactctctta aggtcttcca gctcgtgatg 240
 gccttgagac 250

<210> 1986
 <211> 506
 <212> DNA
 <213> Glycine max

<400> 1986

tagaatgcag aagaagcaac aacaatcaat ttaataatgt tctataaaca tgcaaggcaa 60
 aattgattgc aataacataa atgagataag ggaagagaga atgcaaacac aattttatac 120
 tggttcggcc acttcccgtg cctacatcca gtactcaagc aaccacttg agatttccac 180
 tatctttgta aaatccatta caaagtctga accacaaagg gacaacccat cccttgtggt 240
 cagatgcttt acaacaagag actcacaatc tcttaacca tctcattgaa taagaagaat 300
 ggaagaagaa ttatctcttc aagagaagaa tattacaatg aagatccatg gatgaactct 360
 taatggatgt gcaagtgtt gcccaagagt tctttgagag agcatttgac aatgaagttc 420
 tcttggaatc tctctcattc tcttttgaga ggataagaca ctttgaggca gcaaaactct 480
 ctctctaaat tctgcccag tcacct 506

<210> 1987
 <211> 472
 <212> DNA
 <213> Glycine max

<400> 1987

tgtaggggta aagtctcatg actgtcacgt gtcctgcaa caattgttag ccgtggctat 60
 acgagacatc ttgccaaaca aagtcaactt atccataact cgctgtgct tttcttcca 120
 tgctatatgt agcaaagtca ttgatcctgt caagtttgat gagctggaaa atgaggccgc 180
 aattatactg tgccagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240
 cttgattgtg catctgggtc gagaaatcaa atgttgtggt cctgtttatc tgtgggtggat 300
 gtacccgatt gagcgatata tgaagatctt acaaggatata caaataatct atatcattca 360

gaagcatcta ttattgagag gtacattgca gaagaagcca ttgaaatttt ttcacaatac 420
 attgagaacg ctaaacctgt tggcctctct gagtctcage atgatgatag ag 472

<210> 1988
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1988

gaatctttct tagatattgg agaaaaaagt ctctntgtaa tctattcctt ccttttgagt 60
 aaatccctta gcaacaagtc ttgccttgta tctctcaatg ttgcctaag aatcccgttt 120
 ggtctttaat acccatttac atccaatgtc ctttgcccca ttangcatct ctacaagggt 180
 ccaaaatttg ttactgtaca tggaattcat ctcatccttc atggcatcat accataaatn 240
 tgactcttta caactcatgg ctngatcaaa agtntaggat cattttcagt tacaatatat 300
 agtcagattc ttacaaatat acaatataat cact 334

<210> 1989
 <211> 211
 <212> DNA
 <213> Glycine max

<400> 1989

aaaatctgaa gatgaaggag gaagagtgta ttcatgactt ccacatgaac attcttgaga 60
 ttgccaatgc ttgcactgcc ttgggagaga ggataacaga tgataagctg gtgagaaaga 120
 tcctcagatc cttgcctaag agatttgaca tgaaagtcac tgcaatagag gagggccaag 180
 acatttgcaa catgagagtg gatgaactca t 211

<210> 1990
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1990

gtgcatataa cttgaagagg attgatagta ntatactata gttgtactgg gcttaaaagc 60
 ccattagtat aagtgggtata caaatatatt cttgtactcc tattttcatt agacaaataa 120

aattcaatgt ctatagaacc aataacagcc acaattgtaa ctagtaagaa gaggggttcac 180
 aaaataacaa aactacagtc tatttaatat cgtaccttcc aataggggtga gtgggtaccct 240
 tttccattgc tgatacaaca gcaagagctt ctttttcaca ggtgggaatg caacacgaag 300
 gaacatttga ttctgtgttt ctaacatgat gaccataaat gggctcaatt gccttgaata 360
 cgagtccacc agtgggtcaat gtccctgttt tgtcaaatgc aatagtatga caagaagcat 420
 gagcatccag aacatgccca cctttgagtt atatgcctg caaattgggc aactgtcaca 480
 gccacaatga aagaagca 498

<210> 1991
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 1991

gcttaacatc agaccacttc caggggtgctg gaactacttc acatgggtcct gatggggcct 60
 atgcaagttg aaagccttgg aggaaagagg tatgcctatg ttgttgtgga tgatttctcc 120
 agatttacct ggggtcaactt tatcagagag aaatcagaca tctttgaagt attcaaggag 180
 ttgagtctaa gacttcaaag agaaaaagac tgtgtcatca agagaatcag gagtgaccat 240
 ggcagagagt ttgaaaacag caagtttact gaattctgca catctgaagg catcactcat 300
 gagttctctg cagccattac accacagc 328

<210> 1992
 <211> 197
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1992

ccattcttgc tttccaggaa ttcatagttg gntccatcta ggattgggtg tctgttcaact 60
 ggtctctcct ctttctccat gttcatcaga atttatctcc ctagatctca ctctgtgatt 120
 tcgagtgttg gctctgatac caattgaaat tctgatacca ggggacagat gtcgtaccgg 180
 atgtcacgac atcacgc 197

<210> 1993
 <211> 386

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1993

tcatccaact aatacatgga aagacaactg tatataaccag gcatctaaga tttctcanac 60
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 cgccccgtcc attagtagga atagatgtct atgatcgggt aaaagatata ataactatga 180
 ttgggaagac acaaaaaaaaa cgcgtcatctg atgcaaacad atggaagaaa aggtcaatat 240
 tctttgatct tccatactgg tccaatcttg atgttagaca ctgtatagac atcatgcatg 300
 tagagaaaaa tgtttgtgat cctttaattg gcaccatccg taacatgaaa ggcaagacaa 360
 aggatggctc gaagcgtcgt caagac 386

<210> 1994
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 1994

aaagtcacac gactgtcacg tgctcatgca acaattgtta gtcgtggcta tacgagacat 60
 cttgccaaac aaagtcaggt tagcgataac tcgcctgtgc tttttcttcc atgctatgtg 120
 tagcaaagcc attgatcctg tcaagtttaa tgagttggaa aatgaggccg caattatact 180
 gtgccagttg gagatgtatt ttccccctgc cttttttgac atcatgattc acttgattgt 240
 gcatctgggc agagaaatca aatgttgtgg tctgtcttat atacggcgga tgtaccc 297

<210> 1995
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1995

tcaaccaagg ggagatggac catttcaagt gctagaatga atctatgaca atgcttacia 60
 agttgagctg cccgatgagt ataattgttag ttccaccttc aatgtctctg atttatctct 120
 ttctgatgca gatggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180
 tgaggacatg accaagagca agggcaagga tccacttgaa ggacttggag gacctatgac 240

aagggttaga gcacggaaag ccaaggaagc tctttcacia gtgttggtcca tactatttga 300
 atacaagccc aagttttaag gagaaaagtt caaggttggt agttgtatca tgggtccaaat 360
 ggaggaggac taaatgacac cactntattt caactttaga gcggttagtt tgctaaataa 420

<210> 1996
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 1996

tggttggttt tagctagaca actctttatt actattnntt attttctata ttnttcttcc 60
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 acctaaacat acgtatattt ttgtgaggta ttttgctata tacatgcgtg tccaagggtat 180
 cttgctacct aaacatacat atatatgttt tgtgagatat tnttgctata tacatgcata 240
 tccaagggtat cttgctacct aaacatacat atatatattt tgtgaagtat tnttcttaca 300
 tacatgcata tccaagggtat ctttctacct aaacatacat atatattttg tgagggtatga 360
 ctaccttccg agcttggtgt tgttntattt aaattcctag gatcatgagc aactagggtgt 420
 gtcttgctat gacttgagaa acaaagggtga tcaaataaca agcagagatt taaa 474

<210> 1997
 <211> 276
 <212> DNA
 <213> Glycine max

<400> 1997

ataaataaga taagggaaga gagaatgcaa acaccaattt atactgggtc agccacttcc 60
 cgtgcctaca tccagtactc aagcaacca cttgagattt ccactatctt tgtaaaatcc 120
 tttaaaaagt ctgaaccaca cagggaaca ccgctctctg tgttcagatg ctttacaaca 180
 agagacttac agtctcttaa ccaatctcat tgaataagaa gaatggaaga agaattctct 240
 tcttcagaga agaattattc aatgaagatc atgtaa 276

<210> 1998
 <211> 236
 <212> DNA

<213> Glycine max

<400> 1998

gtggtttgtg tgacatggga atgcttgatg aggctagtaa gtatgtggag gaaatgttgt 60
ccatagattt ttctcctcat tctgctgttg ttcacgcctt ggtgaagggg ttttgcaatg 120
ttggtagggg agaggatgct tgtggagtcc tcaccaaggc actagagcat ggggaagctc 180
ctcaatcgga tacttgatg gccataatgc ctgtaatatg tgaagaggat gatgat 236

<210> 1999

<211> 258

<212> DNA

<213> Glycine max

<400> 1999

ctgtgatcgt atcccatat tagctagatc ttgacgggta ttcaagtcac ccttcctctt 60
gccttgaatg ttaaggagca tccaatcac actgtcacia acatttgtct ccacatgcgt 120
aacattcatt caatgtctaa cgtctagatt agaccagtct ggaagatcaa agaaaatgga 180
cctctgcttc atatgcaact cttactttta tcttcttttg ggtctttcca atacagaatc 240
aagtgttgaa ccgctgat 258

<210> 2000

<211> 406

<212> DNA

<213> Glycine max

<400> 2000

tgttgcccta gcacgcaagt tatttgaata aattccagac gatgtctatt tggaccctct 60
aaagacattg cctattgagg aacaacaaag gcataatgct gagaaggcta ccatgatgga 120
gatagatggg gaaccagtga cgatgggtgg agcgatgttg gtgggtggcac caactgttat 180
tggtgtgggt gtggtagtga caatgatagt ggcagtgaca ttgatggctg tggtgggtgg 240
agtaatgtcc actgtgatgg tgatgtctat ggtggtagta atgatggcgg cagcggtagt 300
gatattagtg gtcatggtga tagcaaccaa ttatggcggg gacaattgat aacgatggcg 360
gccgtggcga tcgaagtggg attgggtggg gtggcgatga cagtgg 406

<210> 2001

<211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2001

cttaaccct ntctaaatga taggctcata atgcagaaga agattaataa gcaatcaatc 60
 taataatgtt ctttaaacad gcaagacaca attgattgca ataacataaa tgagataagg 120
 gaagagacaa atgcaaactc gattttatact ggctcggcca ctttccgtgc ctacgtcaag 180
 ttctcaagca acctacttga gatctttcac tatctttgta aaaatccttt ctacaacttc 240
 tgaacgcccc agcaatccct ttaccttggtg ttcaggaaac tcatatttca cgggaccact 300
 agtctctcga ttacaattga ctntctgaga agaatagaag gatntctctc ctttagagtg 360
 gataata 367

<210> 2002
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2002

ggcattcgac agtggagctc atccaatgga gtaattgatg ctatagaaat tcacgattta 60
 aaggagctga atgcttttga ggctggtagt tctgacagaa atctgaatca atcagaagtg 120
 gagctcaaga agtctctgca ggagcaattg tggcatgctg ctaatgccta tgaatctttg 180
 ctgaggcaaa aggctagagt gaaatgggta aaggaagggg acagaaattc agcttacttc 240
 cacaagctga taaatcatag aagaagacat aatgccattc aaggattgat cattgatggg 300
 gaatgggttc acgaccctag tatgggtcaaa actgaggctt tcaatcattt catagataga 360
 ctttctgagc agaattntaa tagaccaacc ctggatgggtg tgcagctacc ttccattggg 420
 canagcgaga atgaagccct tgtgggcaga ttntctgatg cagaaataac ctcagctgtg 480
 tgggactgtc at 492

<210> 2003
 <211> 236
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2003

aaactaacc aaggcaacaa ggggggttgag gattatttca aggaaatgga tgtgctcatg 60
attcaagcaa agattgaaga agatgaggag gtaactatgg ctcgatttct taatgggttg 120
actaatgata tccgtgatat tggtgatctg caggagtttg ttgaaatgga ttatntgctt 180
cacaaagcaa tccaagttga gcaacattaa taaggaagga gtggcctaag agttta 236

<210> 2004
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2004

tcataagggtt atatatggcc tcaaataagc tcctaaggct nggtttgata aactaaatga 60
gactctacta atgtttgaat tcaaatacaa caagtttgat ccttcactat ttgtttattt 120
taaggcttca tccataatct acattccggt atatgttgat gacatcataa aaacatgaaa 180
tgatattcct ttattacatc aactcatttc taagctaaat atagtatttt ctctcaaaga 240
tcttggtacc tcagattatt tcttggaat gaaagtaaag catctatctg atggttccat 300
tgctttaact tanaccaa atattagaga cttaatgggc aaaaccaaca tgtagatgt 360
caaacctata tcttcncaa tggttaactgg ctataagctc acctacaagt ggtttaatcc 420
tttcttttta tccctatatg tatangtcat ttgtaggaag cacttaatat gctactataa 480

<210> 2005
<211> 181
<212> DNA
<213> Glycine max

<400> 2005

accgctccta gcttttccta acttttctaa aacgtttgag ctataatgtg atgcctctgg 60
agtgcgagtt ggagctgctt tggtgaaggt gggcacccta ttgcttattt tagtgaaata 120
cttcattggag cgacccttaa ctaccgacc tatgataatg agctctatgc cttaatgaga 180
g 181

<210> 2006

<211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2006

acaacatatt tcttaaacca tcggatcaat gagagcnaact catgggtgtg gagagtcaac 60
 cttcatgggc ttcctgtagg aattatagta taacatcatc tgaaatgtag ctacatatag 120
 gttcaaacia tgtaactaaa taaattagta gtgagtacat tataattgta ggaaaatggg 180
 tagtatatag atattatatg taccctaaca gggttttttaa aacctccttg caaactacac 240
 tcgtggtaga ggtcaagctt tttttgtctt tatcatgtat taaaaccttt aatccattct 300
 ttgatttgac tctcgatagt gcaacatata attgaccatg actaaacaat ggggtttatg 360
 caagtaaagt tcaacactat atcatgactg gcctggagac ttattaattg tcattgcata 420
 agagagcatt attggaaata gtc 443

<210> 2007
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 2007

tcccgttgcc cgagtcgacc cggcccaggt tgggctgggt gagtgtaac tccagcgttt 60
 caagtctcgg gtcgctctgg taagcgaaaa acgggtacgg gttgatcgtg aacggcgatt 120
 tgttgctctt gagtatcgcc agcagctgtt tgagcgtgtc ttgcatcgcc tgggtgaaca 180
 acccggacga gggcgggtcc gactgagtca acacgggcat ctgagtgcac tgtggagacc 240
 ttgatcttgc cgtcgagcga agccgcgccg agggcatttt ggacatttag catcttcggg 300
 actagctgcg acttaatacc ctgatcggat aatgtcaaaa tctcttttcc gacggtgatc 360
 atagtgatgt tgctcgccag gtagtaaggc aagacgttct cgataacca ctgtgtggcc 420
 gctgtgggat cgctgagag actcgctatg tctccgttg 459

<210> 2008
 <211> 145
 <212> DNA
 <213> Glycine max

<400> 2008

tatatcaata cgctcgaaat taacagcgga agctctctcg atattcatat agtcataact 60
attcacacgg atgtccgggt ctggcgctta atatgtcgag aggctcgaaa ttgaacaacg 120
gaagctcttg agaaatgcaa ctggt 145

<210> 2009
<211> 492
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2009

gatggcctca gcanattcct tatttccaga agggaattct atcaatagac ctccaatctt 60
taatggagag ggttaccact actggaaaac ccgaatgcaa atttttattg aggcaataga 120
tctaaatatac tgggaagcca tagaaatagg gccttatata cccaccacag tagaaagagt 180
ttcaatagat ggtagttcat caagtgaag cataactata taaaaaccta gagatagatg 240
gtctgaagag gatagaagac gagtacaata caacttataa gccaaaaaca taataacatc 300
tgccctgtga atggatgaat atttcaggggt ttcaaattgt aagagtgcta agaaaatgtg 360
ggacactctt cgattaacac atgaaggaac tgcagatgtt aaaagatcta cgataaatgc 420
actaactcat gagtatgaat tatttagaat gaatgcaaat ganaatatc aaagcatgca 480
caagagattt ac 492

<210> 2010
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2010

caattactgt gtaaatttca tagttgccaa tcattgtctt ctctatatct cttatgaaca 60
acacgagtgc accactttta ctctgatatt agacaaccta taacagagac ggggtgttta 120
tatttctcta tgaatagaga caactattgg acaagtatgg aactggggca acctcaaaga 180
tttcattaat tgcaactttg tcaagatcat cctctccaga gccgtctact cgtagtaa 240
gatntgctgc attatgaatc atcaatgaat tatacgtgcc acaattatag catacaatgt 300
attaatatgc agcttaagaa acaaaagtgc aatctaatac agcgaattac cagaacagaa 360

gaacccacgg tcattttcac aaatgccacc aagatcattg ccattctggaa ttga 414

<210> 2011
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 2011

agcttgaagg acaaaaggaa ctcatttcac tcatttgctc attacaaaga tagtatgggt 60
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 accttaagga agatatcaac agctctatag agcccatcac tcacaatacg tgcattgatct 180
 ggaagtagtt cagcaaggga tatgaactct gatggcaaca agtttgggtc tagtgccact 240
 tcagcaagat agttgcccac taatgtggat acctttagaa tagacctttg tttgggagat 300
 ccggggctgt c 311

<210> 2012
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2012

tctntcccta acctgtggca taggcaacac agaaatgatg tctatgatga agtaacgtn 60
 taaatatctc ttggcaatct ttctaggatc tataacaagt tcacctcgtc caaatacccg 120
 agatgaaggc gcaatgtagg cgggtcggaa ttgaaaactt atgcggagga gataaatgaa 180
 atcacatatt gttctcattg tgacagcaaa acttgctagg ctgttatcta tggcgaggca 240
 aaatgatttg tgggtgaaat aaggaaggta aaagaagaag ggatcgcatt ctatagaaac 300
 aatgcacaga atctcaaaaa acttggtcca ataaagaagg ttcttatctt gaggatcaaa 360
 tactttnttc tcagacactt taagatcttc tgggaacact gcccaagtag tcaactccagt 420
 ctttagtgat cttccanatg tctttagtcc atctgaactc ttcttcattc ctagcctaaa 480
 tgatttcgat 490

<210> 2013
 <211> 447
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2013

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agcttgaaga ttntcaatct ttcatttatg aaatataaat cacatccttc aaaagctcct 60
gtaaattaaa agagaagccc catatacttc taaagcgga gaagaaattt ttataattt 120
ataataaaaa gcaaaatcag actgatgcaa agccaggtga ataagaaaaa acatatgaaa 180
taagtacagc ttgatttgat gttaaagaat atagtcataa gccaagaag tgaagatgat 240
ctttccaaca atagccaata aattcggcaa gagaagcaaa acatacccca gagaccttca 300
cgaattgccc attttttgca gttctaagct cagagtctgg ataatgagta acaaagccca 360
taatagatct ttttcccaa taagtattcc aagtgaaga tgcagcaact aagccaaaaa 420
gaatcacaac tacaataagg agaataag 447
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<210> 2014

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2014

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cggaagctga cgcganacta anatggtcat tacatttcac acggaagtcc gattcaggcg 60
cataatatat cgagacgctc gatattgaac aacgtatggg gtcgataaat tcatatgggc 120
ataacttgtc atacggatgt ccgattcagg cacataatat atccagatgc tctaaactga 180
acatcgacag ctctcgagaa attacaatgg tcataactat tcacacggaa gtccgattca 240
tgcgcataat atatcgagac gctcgaaatt gaacaacgga agctctcgag aaactcatat 300
ggtcataact tatcacacgg acgtccgatt caggcgctta atatatcgag acgctcgaaa 360
ttgaacaacg tatggtgtcg agaaattcaa atggtcataa cttgtcacac ggatgtccga 420
tt 442
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<210> 2015

<211> 175

<212> DNA

<213> Glycine max

<400> 2015

gcttgaaatt gaacaatgga agctgtcgag aaattcaaatt ggcatatct tgtcacacag 60
aagttcgatt tcagcgcaca ctatctcgag acgctcgaaa ttgaacaacg gaagctttcg 120
agaaattcaa atgggtcataa cctattaaac ggaagaccga atgccgcgca taata 175

<210> 2016
<211> 456
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2016

agctgttaac tgaatntaca acgttccaat tgatttcaaa atgggtgtaat ctgattacaa 60
catattggta atcaattact agtgcactctg aacgatgcac ttcaagacat tgtgaagagt 120
cacatccttt cataaaaagc gttgagtaat tgactacaag gatttggtta tcgattacta 180
ctgacaagtt ttgaacacaa gatcaaaaaca tgacacctct tcaagtgggt tcttgaccag 240
acttgaagag tctatagaag caataccttg attggcattt gaagagcact tacaacactt 300
acaaccttta caaacaacta ctgcacatga tctataacaa ccttcgaatc tcttcgaaca 360
tcttacactt cttcttatta ttcttttgca aaagctatct aaagtattct ggttttccaa 420
accttgaaaa cagaagtgtg ctatctctct tattct 456

<210> 2017
<211> 446
<212> DNA
<213> Glycine max
<400> 2017

agcttaactg gttgaagctt tcagaaacat gtatctcatg aggtgacata aattaaatta 60
tttatatcaa tattattgaa gatacacggt tatgagcata aacaatcaat ctaaaaatta 120
taataatttt attgaaaaat aaacttatct tatttaaag actttttgca caattttaat 180
aagttatcaa gaatatcaca gtaaacctta aaatgttcat tatattatat aaataaatta 240
gattttgttt ttatctctat ttgatatta aaaaaatct acaagttaag tctttaatct 300
taaaaaaaaa cttttgatga gtaagacctt aattcgggtct atttctctct ctattcacat 360
ctatagaaga tagtgggttca aaataatcag aaagatgcta ttcagcttat ttttacctct 420
ttagagtatg tctctatcgt gttagt 446

<210> 2018
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2018

gtgaagctcc tgtttagcta tacccgattn tactcaacca ttcgtagttg aatgtgatgc 60
 tagtggagtt ggcattgtgg ctgntttgat acaaaacaaa acgcctatag cttatttctc 120
 ggagaaattg ggaggagcca gattgaacta ttgcacctat gacaaagagt tctatgccat 180
 tgtaagagct cttgatcatt ggaatcatta tntgcgttct aatcacttta tattgcattc 240
 agatcatgag tcattgaagt atatcaatgg gcagcagaag ttgagtccaa ggcattgctaa 300
 atgggttgaa tntcttcaat cttttaattt ctcttcaaaa tacaaggatg gtaagagtaa 360
 tgtggtggct gatgcacttt caaggaggta tgctttaata tcaattcttg aaactcgttt 420
 acttggttat gagactttga tagattatta taaagaagat gttgattctc gtgaaatata 480
 c 481

<210> 2019
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 2019

agcttcttag tttcagatga tgcagctgag tctgtagcta cctcatgcac tcctctaattg 60
 actatagcat catttctggt gctaaactgt tgggagttgg aagccatctt ctcaattaaa 120
 tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atttatcata 180
 cttctctcca tattactgag tccttcataa aaatattgga gaagcagctg ctctgaaatc 240
 tgatggtgag ggcaactggc acatagtttt ttaaactctct cccggtattc atacaggctc 300
 tctccactga gttgtctaata acctgagata tccttcctga tggctgtggt cctagaagca 360
 gggaaatatt tttctaagaa tactctcttc aggtcatcct agctcgtgat ggaccttgga 420
 gcaaggtaat acagccagtc ctttgccact ccc 453

<210> 2020

<211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2020

ntctctntga agtntgtat gatattcctt tcatacaaaa ttccatactt tgcaacggan 60
 aaacataatt aatgccaaaa gtatactatc gaaacatgta attgaaaata catgtaatag 120
 aaattaaaat ccctaaattt cataattagg atttatacat aattgagaga aattaaatca 180
 tccctagatt taataattag gggttcataca taattggaag aaattaaatc attcttggag 240
 aatcataaat ttcataacac atgttttgat atcacatgta aaacattaag ggggttctta 300
 gactatcaat tataggaaac aacatgatct taaaacatat gattctcaca tacaatcaat 360
 aaacaataga taatggtgca tacctttctt ca 392

<210> 2021
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 2021

tgtagttaag accgcagaca acttctgttc atgtttgaag cttgatagaa acacagatgt 60
 tagctatagt aatatgagga aggctgcttc tcgagaagat ttgactgaca actatttata 120
 ctgtcctaaa gctgtagatc ttcagtacaa ggatttaagg cattttcagt ggcattggga 180
 aaagggggag cctgtcattg tcagcaatgt gcttgaatgt acatctgggt taagctggga 240
 accacttgtc atgtggcgtg cattaegtca tgtaactaat accaagcgtg gccaacattt 300
 ggctgagaaa acaattgatt gcttagattg gactgagggg tgcttaattt cccaatcttt 360
 aactttattg accttgaga gctctttaca caaattttat tcttcacctt cattctcatg 420
 aagattatgt ctaattgttt aatgttggtg cttat 455

<210> 2022
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2022

caagcttgct tcttcacaaa ggtagtgctc atgcctttnt tntggaataa tgtggtttac 60
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 ctageccatgg gctatatatta tgaagcaatg gacaaggcaa aagaaacaat tatcaagtct 180
 ttcaacaaca atgaaagcaa gtacaaagat gtgtttgcaa tcattgataa aagatggaat 240
 tgtcagcttc atagaccatt gcatgcagct gccacttct taaatctaga gtgcttttat 300
 gacaacactg acttgaggtt tgattttgag gtcaccaatg gtttgtttga gtgcattaag 360
 aagttttgat ttagagggtca ccaacttggg acaaaataga atgctgacct atctaggagg 420
 gcttaatgga atgttaatca caaaatccaa tctagctttt at 462

<210> 2023
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2023

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 tgagtaaaaa gttattgtcg nttgaattgg ctcagagggt caacattcaa ttttgagcat 120
 ctcgatatat tacgggactc aatcagacat ccgagtaaaa agttattgtc gtttgaaatg 180
 gctcagagct ttaacattca atttcgagcg tctcgatata ttacgggact caatcagaca 240
 tccgagtaaa aagatattgt cgttngaatt ggctcagagg ttcaacatat aatttgagc 300
 gtctcgatat attacgggac tcaatcagac atccgagtaa aaagttattg tcgtgtgaat 360
 tggctcatag gttgaacact tcaattcgag cgtctcgata tattacggga ctcaatcaga 420
 catccgagta a 431

<210> 2024
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2024

ctgcggcatg caagctntaa gccaatcat acgacaataa ctgtttactc ggatgtctga 60
 ttgagtcccg taatataacg aaacgctcga aattgaatgt tgaagctctg agccaattct 120

aacgacaata actttttact cggatgtccg attgagtctc gtaatatatc gacacgctcg 180
 aaattgaatg ttgaagctct gagcctattc aaacaacaat aactttttac tctgatgtcc 240
 gattgagtga cgtaatatat cgggacgctc gaaattgaat gttgaacctc tgagccaact 300
 caaacgacaa taacttttta ctcgatgtt tgagtgagtc cegtattata tcgagacgct 360
 caaaattgat t 371

<210> 2025
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2025

agcttccgag aatcaacatc aagattcaag aatctagaga agacttattc tatataagta 60
 ttaaaaagtt ttttcaaaaa ctgagtagca catagattct taacaaaacc ttttaccaca 120
 ggggtttttac tctctggtaa tcgattacca gattattgta atcgattacc agtagcaaaa 180
 ttctgttcaa aaagctgtca actgaactta caatgttcca attgatttca aaatgttgta 240
 attgattaca atgttctggt aatcgattac cattgtgttt gaacgttgaa attcaaattc 300
 gaatgtgaag agtcacatcc tttcacgaaa atgctttgtg taatcgatta cactgatttg 360
 gtaatcgatt accagtgata gggtctgagc aaatcagaag atgtaactct tcacatagtt 420
 attgactctt tcacattggt ttaagttntt ctaaacgtca ta 462

<210> 2026
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2026

gctctctctg tcaatgtag gttcatatgc tcaactacac cattgagttg aggtgttctt 60
 ggcattgtcc tctcccttct aatattgtgc tcatagaaaa actttctaaa tctgtctaca 120
 tattcaccac cattgtcagt tctgtgctt atgatctcca atcctgtctc attttcagcc 180
 atggctttcc atatcttaaa agccacaaat acttctaact tgtatttttag aaagtaaact 240
 cataccttcc tagagtgatc atctataaaa ctcataaagt attgtttgcc accaatggat 300

gacacatatg ttggtgtaca caaacatcag agtgaacaag ctcaagtntt tcttctttaa 360
 gggttctgct atctgtctaa aagctgactc tnttctgatt gccaaatatg cagtcttcac 420
 acatgta 427

<210> 2027
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 2027

cttttcttct tcaactggta agcagtttac aacatttacc aaagctcttt ccagcgaagt 60
 ctgtggagtt gcaagagcgc taatgttttc cttgtcaact tctccacct tgaagcactt 120
 cctgttctcc tctagatatt ttattgcttc aaacaggttg aaggtcacct tctgaatgtc 180
 aatgtctatc tccagatttc cattccccat gtccaccaca cagttggcag tcaacatgaa 240
 gggctctacct aagataaaag gaatctccgt gtcttcttcg atatccatga tgacaaagtc 300
 cactaaaaag gtgaagtggc agaccttgac taggacttct tctaccaccc catacggctc 360
 tgtgattgag cgggtctgcta gctgaagcgt catcctagta gggctctatct tcagattacc 420
 aattcttctg cacattgata ggggcatcag gttgatgctc gccctaagt caa 473

<210> 2028
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2028

agcttctact tncatggctt attctctagt ggatggcgcc tctctcacc tcttctcctt 60
 tatctttcat tgaaactcca tgactgaaaa ccaccattga aagagcttat tgaagctcaa 120
 agatccaacc tccatagaag cttctcaagc aagcttccat cacttaggct ataaacagag 180
 gccttggtgtg tgcaattttt caactttgat catttgagaa attacacttc aaggtttaca 240
 actcatatga ggcataaatt gggtgccct tctatacctg tccatccact cataatctgc 300
 ttcctttaag ctcttatega tggcttacta tgggtgtgag cttgta 346

<210> 2029
 <211> 459

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2029

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agctntattn taatctttag ttacactcca gatatgcagt atgtaagaat taatgtctca 60
tgtgagagac atttgactta tgtaaggact aataagtaaa taattaacga ttaagagcta 120
aattgtaatt gggcttaata ggagaagttt ctaggattaa ctgctacttg atgggagtag 180
tggttataaa aggggcttaa taccactaa cgtgaaataa ggtccccctc ctgaccagaa 240
aagtgttctc tctcactcat agccatcact aacggagaga ggcagaaaag aaaggccaaa 300
ggaagtgaaa tcttatttct ctcatcttcc aaggaaatca aagtaacgga gagaagttcc 360
tatggagaaa ggtacaagtc ttctatgga gaaaggtaca catcattatc tattggtgtt 420
tattgattgt ntgtgagaac catatgttcc aagatcctg 459
```

<210> 2030
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2030

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agctggatgc taattatgtc ttctggaacc aacactgaag catcttcttc actccattnt 60
ccatcacgaa gtacctgcta aggtaaatta gattagatgt caaatgaaat ggaaacaaga 120
cagtataaca aagtcattgg aaaaggaaaa cttaaactatg caatagtgat gtaagtagct 180
actgttaaata cagtgaagag gggaataacc ttgctttgg gggctaatact ggccataagg 240
gcagcagctg cattgccagc attgttttct tctatgaaac tgatggtgga gtttataagt 300
agcaaaagaa ctatgccagc aaaatcttga taatctccac cttcaccctg cagaagtttg 360
agttattata ttaaataataa tggattgtaa attgtaacat cactgttttc agacagtaaa 420
aattgactga ccgataatga aac 443
```

<210> 2031
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2031

atcctctaac tcacctgcgg catgcaagct tcatggtctt ctcctttag aatttggaaat 60
tctcataggc ttctaaacga atctcatcta gctcacttag ttacaacttc ctttcctctc 120
tagcctgac catagagaag ttgtagggtt ttacagccta gtaggctttg tgctctatct 180
ctacaggaag atgacatgcc ttgctaaaga caaccgata aggtgacatt cctatgggtg 240
ctntgtaggc agtcctatgc gcccaaagag catcatccat cctggtgctc caatcatttc 300
tgttcggtg cacaatcttc tccaagatct ttnttatctc cctgtttgaa atctcagcct 360
accattagt ttgggggtgg taagggtgtg aaattctgtg cagacccca tactttntga 420
gcaaggcata catggaccta ttacaaaaat ggtgccttga tctaactaga tggctctcgg 480
gactccaaac ctg 493

<210> 2032

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2032

tcaagcttag gactcattct ntaactgcc aacagagag atgcagtttt gctaagccca 60
gactagagta tcttgccac atcatttgtg gttttgggtt ggcagcaaat aaatccaagg 120
tggcagcaat gaggctctgg ccagttccta aagattcgaa gagtttgaac gggttctagt 180
acagatgcaa aaaatatata aggtttattc tagaatgaat aaaagagggc ttggatttac 240
ttagttgagc cggttggtgg ttaacatttt acgcgaatat tacatgatac aacaatattt 300
aacatgcgct atcattaatg tcatatgacg catgcagagt tctgagtga acaccgagtg 360
taacatatata gatgtgggtt atctttaagg ttttaaaaa 399

<210> 2033

<211> 295

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2033

gagtgaagat gagaagaaga agcttgaata gttgaatgta gaagttgaca acctctgcaa 60

ggatgatcaag gatgttttgg gtgacaaggt tgagaaagtt gtggtctctg accgcgttgt 120
aaattcacca tgctgtcttg tgactggcga ataccgctgg accgcacaca tggaaaggat 180
aatgaaggcc caagctctaa tggacaacag catggcaggg tacatgtcaa gcangaagac 240
catggagatc aaccctgaga acccaatcat ggaggagctc acgaagcgtg ctgat 295

<210> 2034
<211> 207
<212> DNA
<213> Glycine max

<400> 2034

ccggatcctt aagtcacctg cggctgcagc ttaacatcag accacttaca ggggtgctggt 60
tctacttcac atggacttga tggggcctat gcaagttgaa agccttggag gaaagaggta 120
tgcctatgtg gtggtggttg atttctccag atttacctgt gtcagctgta tcagagagaa 180
aacagacacc tttgaagtat tcaaaga 207

<210> 2035
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2035

tactaagctt gaggtangag aagatgagtg gagggagagg gagagaaggt gtgctcatat 60
ttatgcctta aatgaggtct gaaattcgaa gtctaatttc tcaaatgatt aaagggtgaaa 120
aaatgcacac acaatacctc tatttatagc ctaagtatca cacacaattg gagggaaatt 180
tgaatttgta ttcaaatttc actggaattt gaatatgaat tgggtggagcc aaattttcac 240
taattatgat tagtgaattg tggttatggt tcaaccact aatccaagat caagttcaag 300
attctccact aagtgtgctt aggtgtcacg agacatgtta aacatgaagg acatgcacaa 360
agagtgactg tatgatgtga caatgtggtg tatcaagaaa atgctcattt ccccttata 420
atggtccaaa atttaattgg attgcgcttc tccaattta attaaatnta tcctccaata 480
cacacacatc agatagtgca cttaatgcg 509

<210> 2036
<211> 459

<212> DNA
<213> Glycine max

<400> 2036

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agcttgctct tgactcatct tttccttgaa gtgacatctc taatgatctt tcttccttct 60
ccattctcct gtcattgata ttcaagaaac aaaggacttc attgatgaag aagatccaag 120
gcctacaagc tccacatgga gctacatcaa ggaggaagca cactatgata ttgatttaca 180
ttcttataat aatgctatcc cttttaatgt tgccaacaat gcaaagttaa agaagatgct 240
tgatacagtt tcttagcatg gtccaggatc tgtcccttta tcatacaatg atattaggat 300
gaaggagaaa actcatcttt ctttgaagaa tcatatagct tattggaaga catctagatg 360
tgctataatg acacatggat gaaccgatac gaggaagacg atgacctatt tactaatttt 420
ggtaaattat ccacttgga ctagtgtttg aagtctgta 459
```

<210> 2037
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2037

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ggatcttata gaactccttc ttcttacggt gcttcatatt ttcttaccat tgtcaatgat 60
tgctcacctg cagtttgggc ttttttggtg attgataaga aagaagtatc acgggcactt 120
acaaattttt ttgctattgc agaaaggcaa tataaaaaaa tggttaaaac tatgagaagt 180
aataatggaa cagaattcat ttgcatgaaa aaatatcttc atgagcgtgg gatagttttc 240
caaccttctt gtataggaac accttagcaa aatggcaggg tcaaaagaaa gcatcggcac 300
atcctcaatg tgggtgcgagc tttgtgattt caaagaagtt taccattga attttggggc 360
gaatgtgngt ngacaacatg atacttgatt aatcgtaact caagctcagt cttaaaag 418
```

<210> 2038
<211> 311
<212> DNA
<213> Glycine max

<400> 2038

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ttcgagtgtc tcgatatatt acttgactca atcagacatc cgagttaaaa gttattgtcg 60
```

tttgaaattg ctacgagctt ccgttatcaa ttgcgagcgt ctagatatac taacggacac 120
 aatcgtagat ccgacaacaa agataatgtc gtttgaattc gctcagagct tgcgttttat 180
 atttctgagc gtctcgatat actacaggac tcaatcggac atccgagtaa aaagttatta 240
 tcggttgaat tttctaggag cttctatctt taatttggag cacctcgatg aattgccgga 300
 ctcaatccga c 311

<210> 2039
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2039

agcttgctat ccnctccaag aaaaggatta aaatttcctc atccgattct gatgatgatg 60
 tcgaactaga tgtctcgaca tctaagaggg ccaagaaatc tggaagaaag gtgcctggaa 120
 atgttctga tgcaccattg gacaacatct ctttccactc cattggcaat gttgaaaagt 180
 ggaaatatgt gtatcaacgc atacttgagg ttgaaagaga actgggaaga gatgccttgg 240
 attgcaagga gatcatggac ctcatcaagg ctgctggact gctgaagact gtcagcaagt 300
 tgggagattg ctatgaaggc ttactcaggg aattcattgt caacattcct tctgacataa 360
 ctaacagaaa aagtgatgat tatcaaagag tggttgtcag aggaaaatgt gttagatact 420
 cccctgctgt gatcaacana tatct 445

<210> 2040
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2040

cgtctcgacc cggatactta agtcacctga cgtgcagct ttgcaacttt ataaanaatt 60
 gtttcttatt tgacattagt tctatattaa aattaacttt tcatatgttt caatgtgaaa 120
 tatatagttg aaaccataaa ggtatcacat gtgatataa tatgagttac tttttaacta 180
 tgcacatttt tttacttaaa gtaaaatagt gtgatatttc atatatcttt aattgatata 240
 cttcacgatt aagagaagaa acacgatgat taatatgata acgaatgtga taaaaagaga 300

tgaatgtgtt caattaggtt tcatatgaat ataaaattgg aaacttaaca tagttgacat 360
 aaatacgatt attaaatagt gaattctata gcatataatc agatgatggg gggaacttat 420
 tatacacaga taatatat 438

<210> 2041
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 2041
 atttcgagcg tctggatata ttacgggact caatcaaaca tacgagaaaa atgttattgt 60
 cgcttgaatt tgctctcagc ttcaacattc aatttcgagc gtcccgatat attacgagac 120
 tcaatcagac atccgagtaa aaagatattg tcatttgatt tggcacagag cttcaacatt 180
 caagttcgag cgtctcgata tatgacggaa ctcaatcaga catccgagta aaaagttatt 240
 gtcgtttgaa tttgctcaga ggttcaacat tcaatttcga gcgtctcgat atattatggg 300
 actcaatcag acatccgagt aaaacgttat tgctgttaga attgtctcat aggttcaaca 360
 ttcaatctcg agcggctcga tatattacgg gactcattca cacatccga 409

<210> 2042
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2042

gagtntggag tgcacattgt agttactaag atgtggagag acatgaaaga agcaaagcca 60
 ctagtggaag ggaatgagag gaaacaatat gccaaagtat ttgattatgc acatgaattg 120
 ttgaggagca ttcttgatc aacagttaag atcaacacag tgccaagtcc aggagggtcca 180
 ccataatttc agaggctata tatttgctctt gttggctgta agaaaggggtt tgttgctgga 240
 tgtagaccat tcacaggtct agatggatgt ttcttaaaga gtgcatttgg aggaaacttg 300
 ctctctgttg ttgggcttga tggcaataac cacatctttg ttatttgcta tgctgttggtg 360
 gacatcgaga acaaagacaa ttggaaatgg ttt 393

<210> 2043
 <211> 296

<212> DNA
<213> Glycine max

<400> 2043

atgttgtag tcgtcatctg gatgtcgaga gtgttatctt gttggattct gagaagaaga 60
tcaataaaat cttggctctc taattcagct ccattctctt ttgcaatatt gttcttttct 120
tgatgctctc tgatgatgtt ttccaggacc ttgtcaacct gcttgtgcaa cttcttcaat 180
ctggctcatgt ttccagtttag gaaatataac aatggaattg aaggaaagac atcagcaatg 240
tcgaatcctt ccccggtatc tacgattctt cggatcaaag acacaacaaa ctcatc 296

<210> 2044
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2044

tgtaatcgat tacacacata ctgtaatcga ttaccagagg agtttttcag ataacattct 60
caacagtcac atctttttat ctgtttctta aatggccatc aaaggcttat atatatgtga 120
cttgagacac gaatttaaca agagttttca agaacaaaaa ggtcttatcc tcttaaaaag 180
aaaaatagtt ntatcctctt acaaattcct tggccaatac acttgtgatt caataaggaa 240
ttatttgagc gctcaaattg ttgaatctat ctcttccaag agagatttct tcttctcttc 300
ttctttatcc tgaanaggga ttaagagacc gagggctctt tgttgtgaaa gaattctaaa 360
cac 363

<210> 2045
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2045

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tcatcaactc agttgcaatg agaatatgat tgtgaacgac ttgaccgggc aaaaaagctg 120
cttggctagt atgaacaata tctgaaatca cactccctag cctcctagtc aaaaaatatt 180
atatcactct ataaaaagta gagcaacctg caataggcct gtaatccttg acagtcttag 240

cagtaataga tttaggaatg agtgtcacaa gagtactatt aaaaaccttt aatagagttc 300
 ctttctcgaa aaattcattc attgcagcaa taaaatcttt ctttactata tgccagctat 360
 ttttgaagaa ttgtgcccta taaccatcta tgccagggtgc tttcatatca cca 413

<210> 2046
 <211> 315
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2046

gcttgcttct cataagaggc atgctaagtg ggtagagntt ctacttctat cttcatatgc 60
 catcaaactat aaaaagggga atgggaatgt aatggctgat gctgtgtcta agatacatgc 120
 tttacttgct atgcttgaga ctaaactgtt tggctctgag tctttgaaag tcatgtataa 180
 tcatgaggtg gactttgctg aaatTTTTGc tgcattgtgat aagttttctg aaactggtac 240
 tataggcata atggagtttt gttaaagcaa ataaatttgt gtgcctaagt ggtccattaa 300
 agagttgctt gtgag 315

<210> 2047
 <211> 338
 <212> DNA
 <213> Glycine max
 <400> 2047

ttcagagtgc tcgatatatt atgttctctg tatcggacct ccgaatgaaa agtgatgacc 60
 atttgaattt cttgagagct acctttgttc aatatcgtgc gtctcgatat attatgcgcc 120
 tgaatcggac ctccgagtga aaagctatga ccatttgaat ttctcgagag cttccgatgc 180
 tcaatttcga gcgtcttgat atattatgcg cctgaatctg acctccgtgt gaaaagttat 240
 gaccatttta atttttcgag agcttccgtt gatcaatctc gagcgtctct gactatgatg 300
 cgccataaatc gacatccgag cgaaaagtat gaccattg 338

<210> 2048
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 2048

tctcgatatg ttatgcgtct gaatcggaca tgcgagtga atatttgacc atttttatat 60
tccgagagct tccgttggtc aatttctagc atctcgatac gctatgtgcc tgaatcggac 120
atgcgagtga aaaggtatga ccatttgaat ttctcgagag cttgcgctgt taaaattcta 180
gcgtcttgat acgctatgcg cctgcacga acatgcgagt gaaaagttat gaccatatta 240
atttctcgag agatttcgtt ggtcaatttc gagcgtctcg atatgttatg tgctgaatc 300
ggacatg 307

<210> 2049

<211> 451

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2049

actaagcttc tacattcaat ntggagctgt tcgatatatt acgggactca atcggacttc 60
cgagttaaaa gntattgtag gttgaatttg ctcagggctt cggattcca tttgagcgtc 120
tcgatatatt acgggactca atcggacatc cgagtaaaaa gctattgctg gtagaatttg 180
ctcagagctt ccggattcca ttctgagcag tctcgatata ttacgggact caatcagaca 240
tccgagtaaa aagttattgt gggttgaatt tgctcagggc ttctgtattc catgtcgagc 300
gtctcgatgt attacgggac tcaatcagac atccggagta aaagttattg gtcggtgaat 360
tagctcagag cttctgcatt caatttcgag cgttctgata tattacggga ctcaatcaga 420
catccgagta aaaagttata tgctgttgaa t 451

<210> 2050

<211> 413

<212> DNA

<213> Glycine max

<400> 2050

taaggaggga attccagggg tggaacatgc tctattcaaa gcatgattgg tgggacgaag 60
tttcacacaa tgtgagggaa ttgactacaa ttaagtgttt ttacctgttg tgaaaaacac 120
ttcaatcaaa atggtttttg ccttagttgc acaagaagac atggaattgg aacaacttga 180
tgtaaggata gctttcttac atattgagct tgaagaagaa acctacatga ctcaagcaga 240

aggttttgtc aaaatatgtg aagaaagaaa ggtatgcttg ctaaaaatgt ccctttatgg 300
 ccttaagcat taataaaatg gcttaaaaag gtatgagtat gactgggtgtg tctacttgaa 360
 gaatattgag catgatgtta ttgtctactt actgctctat gtaaatagata tgc 413

<210> 2051
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2051

atatatgtat gtngntntat gtagcatgat accttggata tgcattgtata taacagagat 60
 acctcacaaa atatatatat gtatgttttag gtagcaagat accttggata tgcattgtata 120
 tagcaaaaat atctcacaaa acatatatat gtatgttttag gtagcaagat accttggata 180
 tgcattgtata tagcaaaaat atctcacaac atatatatat gtatgttttag gtagcaagat 240
 accttggaca cacattgtata tagcaaaaata cctcacaaaa atatacatat gtgtaggttag 300
 caaaatacct catggaaaaa gaaaaagaga taaataagaa aaaaaataat tattagttgt 360
 ctagctaaaa aaacaacatg ctttgtgaa 389

<210> 2052
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2052

ttattttaatt nggacgaatc tgcaccgttt aacatgactc ttattaaaaa gtagtagcat 60
 caacatcaaa ttacattcaa aatttcaa ataatagta ttatttatgt aagttttttt 120
 tttctcactc agaattcacat gtattttctta cttttttctca ctcagaaaat tgacctata 180
 atcaatggcg tatccagaaa gtttttccag tgggagcaaa aaatagtcta atattttttc 240
 aaataaaaaa ttatataagt ttttctaaaa atggtaataa aaaattaaaa actataaaat 300
 ttaaaaggat aaagtgattg ctcattaaag aatttggcta gacagcagaa tgacgtgatt 360
 gctcattaaa gaaatatcat tcttccctt agaattttta ttatcattaa aaatanataa 420
 agatagactc 430

<210> 2053
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 2053

ccttctatta cggacctatg aaactaagct tttttctttt tatctaagca gattagaaat 60
 gttcacctaa ttaattttaa tttaatcact tgataatata ttaaaattaa tttatctggt 120
 ttttacgttg aaattaattt atgtgtttgt ttctatcttt ctcatgtaaa ttaaaatttg 180
 actccaaatt gtttgtgctt ttaattggcc aatattagtt ttgtgtttta aatagttttt 240
 aattgggtcaa tgttgtagt ttttaattat tgttgtaatt aataattaaa tgcaaattt 300
 tgtattttaa tttggattta ttattaattg tacttagata ttagttgttc tgtaattatt 360
 ttttatataa cattgataaa ttattcatac tcatattagt tgtacttaat agtgattatt 420
 cataacttaa 429

<210> 2054
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2054

gggaagaagt gtacatggag attccacctg gatatggtgc cactaatgga ggaaataaag 60
 tttgcagact aaagaaggtc ctatacagtc ttaagcagtc ttctcgggct tggtttggtta 120
 agttcactca agttatggta tctttggggg acaagcaaag ccaagggtgac cataactcact 180
 ttataaaaaca ctccaagat ggaaaactta ctttgctctt ggtctatgtc gatgatataa 240
 ttattgcagg cgatgatgaa cttgaaaaat aaaacttaag ggagagggtta gctgccaat 300
 ttgagatgaa ggatctcggg aagctaaagt acttcctcga gatagagggt gcacactcta 360
 ngcaagggat cttcatttct cagaanatata atac 394

<210> 2055
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2055

tgtgcatcca ataccatgat gaggatgtcc catatgttct taatactgga ctgatccatt 60
tgcttcctaaa gtttcattggc cttgcagatg aagaccgcga caaacatatg aaagaatttc 120
atattgtctg ctccaccatg aaacccccag atatccaaga ggatcacata tttctgaagg 180
cttttctca ttttttatag ggagtggcaa aggactggat gtattacctt gctccaaggt 240
ccatcacgag ctgggatgac ctttaagagag tattcttaga aaaaaatttc cctgcttcca 300
ggaccacaac catcangaat gatattcag gtattagaca actcagtgga gagagcctgt 360
atgaatactg tgagagaatt aanactatg t 391

<210> 2056
<211> 284
<212> DNA
<213> Glycine max

<400> 2056
gacactctga gtaaaaaagt tattatcggt tgaatttgct gagagcttca acattcaatc 60
tcgagcgtct cgatgtatta cgggacttaa tcatacttc gaataaaaag ttatcgctgc 120
ttgaatttgg tcagagcttc cacattcagt ttatagcgtc tcgatattt acgggactca 180
atcagacatc cgagtaataa gttattgtcg ttcgaaaatt cttagagctt cgggtattcta 240
tttctgagcg tctttgatta ttacgggact tatcagacat ccga 284

<210> 2057
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2057

agcttgccct gcccttgat atattagagg gactcatggt cactatgaat gacaaattcc 60
ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120
tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
tgcccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
aaagattttt gaaagtgtgg caacgcaagt atggnngcat tagttagctn ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catttg

<210> 2058
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2058

agcttacctt gctcggcggg ctcttgatta cttgattggg tttaacattt caccattact 60
 atggaggaag ttaccagggt gccaatcagc tggaagagtt caatctgctg cactttctct 120
 tatatgtgat agagaaatgg aaattgatga atttaaaccg aaggagtatt ggactgtgga 180
 gggtcaaatg aaaaagaaag agctgagatc aaacaagaac cttacttttc ctgctcactt 240
 gaccattttt gattcaaaaa agttgaataa gttttcaatt acttctgata ccgaggcaag 300
 agatattcga agcaatataa actcagctga ttttcatgtt gttagcttga aaaanaacaa 360
 aagtcgaaga aatcctccaa caccttatat aacatcgaca cttcagcaag atgctgcaaa 420
 caagttgcat ttcactgcaa gtcacacaat 450

<210> 2059
 <211> 217
 <212> DNA
 <213> Glycine max

<400> 2059

agcttatctt atggatgctt gcgatatggc tacttattat aattccaagc aacttctggg 60
 cagtgggaagt aaccgtgttt gtcaagcaag gcacaacaat ggaaaggaac ctgggccaga 120
 acttgcatat accaacagcc ctcttatgga actttgtgga ggacaccatt ctcatattgtc 180
 tccccattta cgaacgttac tatgcaccat tcatgcg 217

<210> 2060
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2060

agcttgtaat ctattacaca catactgtaa tcgattacca taggagttnt tcacaaaaca 60

ttctcaacag tcacatcttt atatctgatt ctttaagtggc catcaaaggc ttatatatat 120
 gtgactagag acactaattt tatcataagt tttcagatca aaaaggtcta atcctcttaa 180
 aaagaaaaat ccttttatcc tcataccaat tccttggcca gaacactggt gactcaataa 240
 agaattattt gagtgtcaa attgttcaat ctatctcttt taacagagat ttcttctttt 300
 cttcctctca ttctg 315

<210> 2061
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2061

agcttcctta tgaagatntc ctaaaaagct agagcttagt tacacatacc tctctaattg 60
 ctaagctcac cttcttgaga tgagaagcta gagcttagct acacacctcc tataatagct 120
 aagctgaccc catgaaaata caaaaaaaaaa tccctactac aaagactact taaaatgcct 180
 cgaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg cccaaacgaa 240
 ggaaaaacct attctaatat ttacaaagat aagctggctc atacttagcc catggactcg 300
 aaatctaccc taaggctcat gagaacccta gggcattccc ttgaatctct ggcccaattt 360
 acttgagtc ttctatccaa tgcccttgcg gggtaggatg gcatcacaag taccctccac 420
 ttgaactgat ccacaagaga t 441

<210> 2062
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 2062

agcttcaaca tcagaccact tccaggggtgc tggatctact tcacatggat ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
 ccagatttac ctgggtaaac tgtatcagag agaaatcaga aacctttgaa gtattcaaag 180
 agttgagtct tagacttcaa agagagaaaag actgtgtcat caagagaatc aggagtgc 239

<210> 2063
 <211> 357

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2063

agctttgagc aaattcaaac gacaataact ntattatcgg atgtccaatt ggtcccca 60
atatatcaaa ctgctccaaa ttgaaaatgg aagctcgtag caaattttaa cgagaataac 120
tttttactca aatgtgcat tgagtcacgt aatatatcga gacgctctaa attgaaaacg 180
gaagctcata gcaaagttaa accgtaataa cttttaactc ggatgtccga ttgagtcctg 240
tgatatattg agacgctcaa aattgaaaac agaagctctg cgcaaattct aacaacaata 300
actttttact cgyttgtccg attgagtact ggtatatgtt gagacgctcg aaattga 357

<210> 2064
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2064

agctnttaac tcggagggtcc gattcaagcg cataatatat cgagacgctc gaaattaacc 60
aacggaagct ctcgagaaat tcaaattggc ataactttta actcggagggt ccgattcatg 120
cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaattg 180
tcataacttt tcacacggag gtctgattca ggcgcataat atatcgagac cctcaaaatt 240
taacaacgga agctctcgag aaataccaat ggtcataact cttcactggg atgtccgatt 300
caggcgcata atacattgag acgctccaaa ttgaacaacc gaagctctcc acaattcaaa 360
tg 362

<210> 2065
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2065

agctntataa ctngngtcan agctaccagg aatgagtata ctcccatcaa taaactcaaa 60
tgtgttctta gcacctagg cgcgtctcat aaaacgagcc catgcatggt aattagagcc 120

atttagcaca ggagtgactg ttacagacga aggtccatct cctacatgaa cataatacgg 180
 gctggaagga tcttgcatg gatctgcaag accacctcca tgattgttg cgaaccacc 240
 tggacgagcc atcagagtta cgcagatatg gagctagacg ctctgtgata ccatgttaat 300
 aaatgaatat aaaagcaagg aaggagacaa tatggagaaa tgcattgaca ctcaattcat 360
 ggaattacat caggctgatg cttgttattt atatga 396

<210> 2066
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2066

agctntatgt tcaattgccc caatgacatc tattcttcac atggaanaag gccaaagaggc 60
 ggacatgact ttcagacgat ggggcagaac attgacattg ttgcatacg ctgcacatat 120
 atggcattta cttacatggg tgcagcaatc gctttccata acgagccaag aataacctgc 180
 tctaaggatc ttcttggcca tagcatgccc attggcatgt gtgccaaatg aacccccgtg 240
 gacttactca atcatgtagg tcggctctat ggcattcta 278

<210> 2067
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2067

agctntacat tactctcat gcttctcacc atgtctaata aggttcgatt tcttcattct 60
 accacaccat tctgatccgg agaaccaggc atagtgtatt gggcaacaat cccatgttct 120
 tgaagaaatt tcgcaaatga acctggtgct tgtccatcct ctgtgtatct accatagtat 180
 tccccacctc tatctgatct cagcatctta atttggtttc cacattgttt ctcaacttca 240
 gccttaaaaa ctttaaaggc atctaaagct tcattcttag aatgaagtaa gtagagatac 300
 atatatcgtg aataatcatt tataaagctt atgaagtatt tctgactatt tgcgtccatg 360
 tctagacaac atatgtctgt atgtatgat 389

<210> 2068

<211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2068

agctntacta attaanaaat gtactcttct aaggctttta cttatgttgt taagagaata 60
 aggagtagaa gagaaactta accaaacgta aaagtggaaa ttaaaatgca cagcggaaag 120
 taaaagagta gggaagaagg agacaaacac acaagagttt ttaaattggt tcaacaacaa 180
 cccgtgccta catccaatcc ccaagcgacc tacggctcct gagatttctt tcaaccttgt 240
 aaaaatcctt ttacaagcaa agatccacaa gggatgtacc ctcccttggt ctctttgaac 300
 ctagtggatc taccctccac tagaactgat ccacaagaga tgtaccctct cttgttctca 360
 gtcaaacca agtagatgta ccctctactt gtaccacana ggatgtatcc tccaatgtgt 420
 taagacaaag atctcatgca gtcaaacctt tgatactttg tgaat 465

<210> 2069
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2069

gcttgcagc ttgctaagat gcattntgaa gaatcatacc aagaaaagta ttacaattta 60
 taatctgagg cttgcacatc atgtcatggt gacatgagaa gcatatataa ttgaacaaga 120
 aggaacataa attgtgttta ttttattgaa tacataccaa gaataccagt ataatatgaa 180
 agcggaaacat cgggtgtgctc aatgttgaaa agtatttgag ttggggacac caagctgaat 240
 tcttccatt ntgtagatcc ccacactaaa gcaccttct tgaatctggg tgccagattt 300
 aggactatta cactccatac cctgtaatgg ctgatgtaca caacggtaga gttagaccag 360
 ccaaatttat gatcccaaga gtatntcaaa c 391

<210> 2070
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2070

agctagagta tcattccaaa tgtatggctt caattacctg ctaaaggcaa caggcacaat 60
 tccagctcta tattcagcaa ttgcaagaa ggcaggttca gccatatcaa agtggtgcag 120
 aggaggggtg caccaacccc cattgttggtt aggcaaagaa cggtttgggg ggcagaagtt 180
 agtggcagtt acagtaatgg agccaggttt gcaccatctt gggtcacat cacaatctcat 240
 ttcatagcaa gatccacagc ttaagccatt gttgaacaaa gcagtgttta tagccacagt 300
 gtcagttcca tagccctggc tatacaaatt tccataccca catgctccac ctgcatgtat 360
 anaatacana gcataaacat acaactcatc acttaacttt cataaacaca ctcta 415

<210> 2071
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2071

acacgttaac tcgcttntga tctctatgaa tctgctgcaa atcaactatc aagacgtcaa 60
 cgattgcgcg agttgcttaa acaatcccaa tcagctcttc ttaccgagga agaacagata 120
 ataactatctt atactggaac gaatgggtat cttgattcat tataaatggg acacgtaagg 180
 aaattttcttg ttgagttacg tgcttactta aacacgaata aacctcaatt caaagaaatc 240
 atatcttcta ccaagacatt cactggggaa gcagaagtcc ttttgaagga agctattcaa 300
 gaacagatgg aactcttttt actacaggaa caggtagaag aaaattgatt aatcgtttaa 360
 taactctata atgtcacttt caaattctta tacattagat cttttaatat ctctttattt 420
 c 421

<210> 2072
 <211> 359
 <212> DNA
 <213> Glycine max
 <400> 2072

agcttctctt tattagtga cagctccttc aagaatttgg catatttttg aattttcttt 60
 attgcatcca gcagaggtat gtttacctct acttttctga atgtctccaa gatctctttc 120
 tctgctcttt ccattttttt gttggaaact gctcttggag ggaatggaag aggagggatg 180

tgctgcttct gcaaattacc agtgggaagat tcacctgcac agaaattggt aggtaaattt 240
 ttgtcatcac ctttttctgg agtagagtga agtttggcag attcatttgt agatgaggaa 300
 ggtgctatgg gttgaggtec ttgacactgc tttcccgacc tcaatgaaat ggcaactgac 359

<210> 2073
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 2073

tgcagctttg agcaattcaa atggtcataa ctttttctgg aggtccgatt caggcgcata 60
 atatataaag acgctcgaaa tttcacaacg gaagctctcg agaaattcaa atggacataa 120
 cttttaactc ggatgtccga tttatgcgca tcacatatag agacgctcga aattgaacaa 180
 tagaagctct cgagaaattc aaatgggtcat aacgtttaac tcggagggtcc gattcaggcg 240
 cataatatat cgagacgctc gaaattgaac aaaggaagct ctcgagaaat tcagatggtc 300
 ataacattta actcggatgt ccaatttagg cgcataatat atcgagacgc ttgaaattga 360
 acaacggaag ctctcgagaa attcaaatgg acataacttt taactcggat 410

<210> 2074
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 2074

taccttgctc tgcgggctct cgaatactat tattgggttc aacatctcac cattattatg 60
 tgttgatggt accatattgc caaacaactg gaatagttca atctcgctgc actttctctt 120
 atctgtgata gagaaatgga tattgtagaa tcttaacccg cagcaccttg gactgtggac 180
 gttcaactga aaaagataga tctgtaatca aacaagaacc ctacttttcc tgctcacttg 240
 acccattttg tattcaaaaa gttgaatata gtttcaatta cttctgatcc cgaggcaaga 300
 gata 304

<210> 2075
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2075

agctntggag tttccaagtg ccaattegtc ttcttctttt gtccagtctt cttctggctt 60
caattcatta gagggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
gacagctttc caggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca 180
gtattcatag ttggttccat ccagaattgg tggctgttgc acttgtcctc cttcttttct 240
catgttcac agaaattatc tccctagatc tcaactcagtg atttcgagtg cctgctctga 300
taccaattga aattctgata ctggggacag atgtcgtg 338

<210> 2076
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2076

actaagctat gctgcaatat tacaatagac ctctcaacc tcatcagctt aatcaaccac 60
agcagaacaa ttatgacctt tccagcaaca gatacaacc tggatggagg aatcacctta 120
acctcagatg gtctagccct cagcaacaac agcagcctgc tcttttcttc caaaatgctg 180
ctggcccaag cagaccatac attcctccac caatccaaca acagcaacaa ccccagaaac 240
agccaacagt tgaggccctt ccacaacctt cctcgaaga acttgtgagg caaatgacta 300
tgcagaacat gcagttttag caagagacca gagcctncat ttagagctta accaatcaga 360
tgggacaatt ggctatccaa ttgaatcaac aacagtcc 398

<210> 2077
<211> 261
<212> DNA
<213> Glycine max

<400> 2077

atacttagac tatcctaaaa aatgatagct ctttcaattg gaaaccaag attgctaacc 60
agaccttta gtcagatccc atcctttatt gcttctatta gagcatgcac tctaccttg 120
tagtgataa aaccacaatg ggctaaagag tttccttcca actatcaaga gagttgccaa 180
tcatgaatgc gtacctgtc atagttctcc ttgcatccaa atctacagca tagtcaaat 240

ctaaataacc aacaagagca c

<210> 2078
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 2078
 agcttctcct ttgctcccta taactgattg cagttctcga gagtgttgga cctcttttta 60
 gcattagggg ggaaattaga taccgagcta ttacagagag ggtcggagtt tgcctattg 120
 tatagaagat ggtggaaaat atacttaggt ggtttgggca tgtacagaga agaccggaag 180
 actctgtatt gaagatgagt gacctgatgg agagaatgca cacacttcga tgcagatgaa 240
 gaccacaaa gactattcga gaggctatca agaacgatct cgaacttaa 289

<210> 2079
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 2079
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 gctatcgtca ttgatttttc ctgagagctt cagttgtcaa ttctgagcat ctcgatatac 120
 tacacgacac aatcggacat ccgagtcaaa agttattgtc gtctgatttt tcttagagct 180
 ttagttctta atttcgagcg tctcgatata ctaccggata caatcggaca tccaagtcaa 240
 aagttattgt tgtttgaatt ttctcagagc ttctgttttc aattacgagc gtctccatat 300
 attgcgggac tcaatcggga atccgagtaa aaaggtattg tcgtttgatc ttcttagag 360
 cttcaagttt taatttcgag cgtctcgata tactacggga cacaatcgga ca 412

<210> 2080
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2080

tctatcctca attacgaggg tctcgatata ttacgagact caatcggaca ttcgagtcan 60
 aagttattgt cggttgactg ttcttagagg ttccgttttc aatttcgagc gtctcgatat 120

attacacggc tcaatcggac atccgagtta aaagttattg tcgtttgata tttctcagaa 180
 cttccccgttt caattacgag cgtctcgata tcttcggga ctcaatccga cactcgagtc 240
 agaagttcta gtcgattgaa tntactcaga gcttctgggt tcaattacga gcgtctcgat 300
 atattacgag 310

<210> 2081
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2081

agctntgaga aaaatcanac gacaataagt nttatctcgg atgtcctatt aagccctgta 60
 atatatcgag acgctcgaag ttgaaaacgg aagctctaag aanagtccaa caacaataac 120
 ttttaactcg aatgtccgat tgagtcccgat aatatatcga aacgctcgta atttaaaaca 180
 gaagctctga gcaaaatcaa acgacaaata cttttaactc cgatgttcga ttgagcccta 240
 taatacatcg agacgctcga tatgaaaacg ggagctctta agaaagtcaa acgacaataa 300
 cgtttgactc ggatgtccga tt 322

<210> 2082
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2082

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 cagattccca ttcttttata cttntttta aacaagttag aacctattac ttccaaagcc 120
 agtgggaaggc cagaagcata agttactgca cgttgcaaga cctccacgta atttgatca 180
 gctttttcct ttttaaaagc tttccatgta agtaactgaa gagcatcggt ctcatccaat 240
 tcttcacct catatgttgt aataacttga tgagggtgta gcaattgttt gtcccagatt 300
 gtgatgatga atttgctgcc gggaccaaac caatctggtc taccaacaat tgectgtaat 360
 tgctcgtgct tgtcaacatc gtctagaatc 390

<210> 2083
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2083

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 agcaatgggtg attgtagcga gttcacgaac ataagttgaa gaagaaagta acttgcgga 120
 aaactgcttg ctaaaaaaag ctatcgggtg tcttccttgg gacagcacg cacctatacc 180
 cgaacctgag gcattctgtt ccaccacgaa aggtttctgt aagtcaggca atgctaagac 240
 tggagaatgt gtcattagcat gtttcaattt gttgaaggca acatcagctt ccacggtcca 300
 gtggaactct tcttgggtca acagacttgt aagtgggtgt gccaacgttg cgtagctcct 360
 tataaatctt cgataaaag 379

<210> 2084
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2084

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 tctcaaggaa gttacctagt ctataaataa aagcatgtgt aacacttggt ataactttga 120
 tgaatgagag tcttgtaaga cacaactcan agttcaactt ctctcccttt ttcttccttc 180
 aatttcgtgc tccctctctt ctttctttta gaaaatgctc accccccct ctaaaattta 240
 attggattgg gcttcttcca attcaattaa atntattttc aaccacacac atcaaattt 300
 cacttaatgc atgcaaatt agaaaactac ccctaataca aaaaactagt ctaggtgccc 360
 tacaatacaa gagatgaaa atcttacatt tctaggttac cttactata ttgtggagcc 420
 ctaaatacac ggccaaaaat aat 443

<210> 2085
 <211> 223
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 2085

tgctctctgc caaccaattn tccaacagat tttcttgggt ctgtttcaca accaaccgcg 60
ataattctaa tgattcagag gcatttcagc tttccctttg taaaaagggg caaaatactg 120
aacagaggag gagttgccc gcttgcacag gaacactctt gcacgtaaag gagataatcg 180
gcaccttaac attataacta attgaccaa caaaaggaca cca 223

<210> 2086

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2086

ctgcagctta tgtaagtcaa tttaggaggc atctcggata ggatcttttc cgtgcatatt 60
tgcgcanaat ctcttgaact aggaagatgt tgtccatcat ctttctgttc ttaatgaagg 120
cagtttgagt ttccccaata atagtctcaa gcaactggggc tatgcggttg accaaaattt 180
tagacataat cttgtataac aaattacaat aagatatggg tctaaaatgg gtaacctggg 240
agggctaate atgcttagga ataagtgcaa taatagcatg gttgatctgc tntannaatt 300
ttctagttgt aaagaattca ttaaccgcct caaagatatc atcaccaatg a 351

<210> 2087

<211> 367

<212> DNA

<213> Glycine max

<400> 2087

agagaggtgc aagtaaggaa gcaagtgaag ttggatatat cgattggaaa gtacaatgat 60
aagggtgttt gtgatgttgt ttctatggag gccaaccact tactcttggg gagaccatgg 120
caatttgata agacggataa tcatgatggt ttcaccaaca agatcccttt cacgtattaa 180
ggaaaaaaag atagtgtctca aaccattgag tccacaagaa gtgtgtgagg atcaaagaat 240
aatgagagag aaaattcttc ctacaagaga gaacatgaga aagagagcta aacacttgag 300
agttcaaaag tgacgacaat aagagggaaa cacaagagag gaaaaagatg agtgaaacac 360
ttgaagt 367

<210> 2088
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2088

tttgattgct ctggtagagt tcccaaactg caaagagaat gagaagggat tgaagcctnc 60
 attctgtact gtcttcgtgc aattntgttc cctctctccg tggatattag taaatcccaa 120
 cagtgaaggt gtgtggaatt gaatcgtgac caacatatca aaattttacg acaatccaat 180
 ggttaacgag ttcaggatcg tagttttacc gagacagttt tggatttctg cgggaaaaga 240
 aaaggctacg atgcgaactg tatttctctc agctccgaca tgatttcgaa attcccaatg 300
 gtgaaagtgt tcataattga gttgcgaact tggattttaa atttcacgac gatccaacgg 360
 tgaatgagtc tgagattgtc atttctctga gatagatttg gtg 403

<210> 2089
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 2089

gatgcaacat atggagaggt taatgaaaca acgagatgat gcgctccatg agagggtgga 60
 tcaaattggag aatagagatc ataataaga agaaaggagg agaagaggga atgatgggtgt 120
 tcctagacaa aaccgaattg atggtattaa actcaacatt cctccattta aaggaaagaa 180
 tgatccggag gcctacttgg agtgggagat gaaaatagag catgttttct catgccacaa 240
 ctatgaggag gaccagaacg tgaagcttgc cgccacagag ttttccgact atgctcttgt 300
 gtggtggaac aagctacaaa aggagagagc aagacatgaa gagccaatgg ttgatacatg 360
 gacggagatg aacaagatca tg 382

<210> 2090
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2090

agcttcaaga gatcatccnc tcgacaacat tattggtgat atctcanaag gggtaacaac 60

tagacactct cttaaagatt tatgcaataa tatggctttt gtatccatga ttgaacctaa 120
 aaatataaaa gaagccataa tagatcataa ttggatcatt gccatgcaag aagaactaaa 180
 ccaatttgaa agaacaatg tgtggaaatt agtagaaaaa cctgaaaatt atcctgtcat 240
 aggaacaaaa tgggttttta gaaataaatt agatgaacat ggta 284

<210> 2091
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 2091

acgtgcattt gtgtgcaata cacaattcct tgtacaccac aacaaaatgg tgtaicagaa 60
 aggcggaata aaactttaat ggatatagtt acgagtatgt taatcaatta gactttatcc 120
 gtatcctctg ggatgtatac cttgaaaact gcctttagt tgctgaacaa ggttcctagt 180
 aaggtagttc caaagacacc ttttgaactg tggacaaata ggatacctaa tataaggcac 240
 ctgcatgttt ggggttgcca ggcagaaata aggatttata atccgcacga aagaaaattg 300
 gatgcaagaa caatcagtgg atatttcatt gggtatcaaa aaaaaaaaaa gttaacaggg 360
 tatatgtctg attggtctaa tcatagtatg agaactttca aaactggaaa tg 412

<210> 2092
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 2092

agcgtctcaa tatattacgg gactcaatca gacatccgag taaaaagtta tcttcgtttg 60
 aattagctct gaggttcaga attcaatttc gagcgtctag atatattacg ggactcaatc 120
 agacatccga gcaaaaagtt attgtcgttt gaattagctc agaacttcat aattcaattt 180
 cgatcgcttc aatatatttc gggactcaat cagacatctg agtaaaaaag gtatggcggt 240
 tgaatttgct gagagcttca acattcaatt tcaagcgtct cgatctatta cgggactcaa 300
 tcagacattc gagtaaa 317

<210> 2093
 <211> 394

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2093

cttataatcg attaccacaa gttttttaaa cttntataa catcctctag aaatttgaat 60
ttaaattcta aagcttgcaa tcaattacaa cttgtgtgta atcgattacc agacatgaga 120
attcaaattt caaatctgaa gagtcacaac tcttcagaaa ctaactgtgt gatcgattac 180
aacaattatg taatcaatta ccagcaagga attgtcgaac ataactccca agagtcacaa 240
ctgttcaaga agttttgaat ggctatcaag gtctataaat aggtgacttg ngacatgaaa 300
ttctgaaaaa gagaatttcc tgacaaattg tctatcctct caaaccaaat tgcttatact 360
ctcaaaagaa ttcttgtcaa acacttcaaa ttaa 394

<210> 2094
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2094

taatggcttc tttagattct ntgtctntca naagtttttt catgtataga ttattccaag 60
atcatgatga agacgaagtc aatttgtgtc tcatgacaga atctgatgag aataacaaag 120
aagattctat aatgaagaaa tggtagatag acagtggatg ttctaagcac atgacgggtg 180
atgtatccaa attcacaacc atttccccca agaaaagtgg acatgttaca tatggtgaca 240
acaacaaggg caaaattatt ggagtaggta aaataggaac gagttcttct actcctattg 300
aaaatgtggt acttgtagaa ggtttgaaac atagtctatt aagtgttagt caattatgtg 360
ataaaggata taaagtatct ttcgattctg aanaatgtgt tattaagcat gagcttgaca 420
aagatattga acatatacgt tttagagaaa ataatgtcta catgattgat ct 472

<210> 2095
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2095

ctgagcaaat cgaaatgaca ataactntat actcggatgt ccggttgagt cccgtaagat 60
 atcgagacgc tcaaaattta tatccgaagc tctgagaaaa ttgaattgac aataacttta 120
 tacacggatg tccggttgag tctgttaata tatcgagacg ctgcaaaatg aaaacggaag 180
 ctcgtaggaa attcaaacga caataacttt ttacttggat gtccgactga atcgggtaat 240
 atatcgagac gctcaaaatt gagactagaa gctttgagca aattgaaatg acaataactc 300
 tatacacgga tgtccggttg agtcccgtaa tatatcgaga cgctctcaat ttagatccga 360
 agctctgaga aaatcgaatt gacaat 386

<210> 2096
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2096

catgcaagct nntcatttca tatttcgacc atctcgaata ttaccggact catccggact 60
 tccgtgtata aacttattgt caattcaatn ttctcagagc ttcggatcaa aattttgagc 120
 atcttgatat attacgggac tcatttagac atccgagtaa aaatttattg tcgttagaat 180
 ttgatacgag ctcccgtttt caatttggag catctcgaga taaaatgaga ccctctgtcg 240
 ggcatcccga aaaaacgtta tt 262

<210> 2097
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2097

gcttgagcac tgagtgaagc ttctgtgaat attactacat atatttcttg catgatacta 60
 ttctncatat gtaattcttc agtgctgcat ctaaactcac tcacaatata ttcaaagaaa 120
 catttatata catcctgaat tattgaaact tgagtatgtg catcctctat atcatcctta 180
 agcttctgaa tgggttggaa caaatttttc tgtgtcagtt ggtgctgtga acaattttcc 240
 acagaagcag aaagctggga agatagactc ttaaattcct ttttcttata tgatagtgtg 300
 tccttcagtt gatgattctc cgattgtaag aagtccaatc tatcctttaa actgctaaga 360

gattcaatgg ttctactgaa tggatgtact ttctcatTTT catcaacgga ttcattcaat 420

<210> 2098
<211> 374
<212> DNA
<213> Glycine max

<400> 2098

cttgagagga atactagaga agctagagct tatttacata cacctctcta atagctaagc 60
gcacctcctt gagatgagaa gctagagctt atctacgcat cccctataat atctatgctc 120
acccccatgc caaaatacat gaaaatacaa aaaaagtccc tactacaaag actactcaaa 180
atgccttgaa atacaaggct aaaaccctat actactagaa tggccaaaat aaaaggccca 240
caagaaggaa gaacctatta taatatttac aaagataagc aggctcatac ttagccaatg 300
ggcccgaat ctacctcaag gctcatgaga accctatggc cttcccttgg atctctggcc 360
caatctactt ggag 374

<210> 2099
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2099

agctagagga aacccttcgc attgtacctt ttatttcccg caaaacccaa aactgtctca 60
gaaaactatg atcctggatt tggttaaccgc tggattatat tcgaattgng atatgttggt 120
agaaattcaa ttgcacaaac ttctactgtt gggatttgca agataatatt tgtggaggga 180
gaaaaatgaa tcacatgaag atagtgaag tggagacttc aattccttct cattctctcn 240
taacgttggg gacctatca gagcaaccag aggaatctca agaacttggt atagatgtct 300
ctattcgctg cggaagacat gtgaaccgc tt 332

<210> 2100
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2100

cgcattgcaag cttattgatg ttattgctta atttattggt aatttggtgc gtcttttgac 60
 ctatgtcatt ttcttctccg gccacaggta tgccaggaat gactgcttat gctggtttct 120
 ttgaggtagg ttctcccaaa aaaggagaca ctgttttcgt ttcagctgcc tctgggtgctg 180
 ttgggtcaact tggtggccaa ttgctaagt tgactgggtg ctatgttggt ggaagtgctg 240
 gaagtaaaga gaagggattt gtttaattat tggttggtata tgtccctgga taaacgaata 300
 atcagcttaa atgttggata ttattcttac tgcttaaaat actattattt tgaattaacc 360
 taattacaat aacagccacc anagcctttt ctataatgta gagttgaatt ggccaatta 420
 tatt 424

<210> 2101
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2101

agctgntgcc tcanaacaca ttgnttccca catcctatgc tctagtaatc gattaccaga 60
 cagtttaatc gattaccaga agacaatttt aaaaatcaga ttttaaaaaa ggttttgaat 120
 tagaatttcg aatcatgtaa tgcattacta gatgtttgta atcgattacc agcaacgaca 180
 cttcagaaaa aactttgaaa agtcatgacc cttcaaaata taactgtgta atcgattacc 240
 agtgaagaat tttagaaaaa gctttttgaa aagacacata tcttcaaaca attttcaaaa 300
 ggcacaaagg gcctatatat gtgtgtctgc attgtaaaat caagagagag atattctaag 360
 agaacttaat tgccaagtgc tctctcaaca acttttgga aaaacacttc caaatctatt 420
 gagaattcat ccaggaactt caaantgtat tatcatct 458

<210> 2102
 <211> 470
 <212> DNA
 <213> Glycine max
 <400> 2102

ttaagtcacc tgcggcatgc aagcttctta gtttcgtact tggtgacttg gcaatcaacg 60
 cattgagcaa caaagcgaga gacgtcatct tgaaggccgg gccataaaa attggtcatg 120
 agacgagcca cggctcttggc gacgcccggg tggccaccgg tgggggtggc atgatactct 180

gtcagcaggg tggatgatg gggatatatcg gaaggcaacc agatacggcc ttatataaac 240
 agcagtttgt cagcaatgga gaactcacgg tgggtggcgg gatgattctg aacatcaagc 300
 atcttttgcg gaaaggcgga attcgtgcgt gactgggtcat ggagctcatc taaaaaagtg 360
 agacaaggga cggagagaat gagaaaggct tgagaagctc ctttcggtaa cctagataag 420
 gcactctgctg cctgattatg gctccctgag cgatactgga tatgataatc 470

<210> 2103
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2103

agcttgaaat tgaacaatgg aagatcttga gatattcaat cggctctaac ttttcactcg 60
 gaagtccgat tcaggcgcat aatatattga gacgctctcg tgaaattcac atggtcataa 120
 cttttcactc agagggtccga ttcaggcgca taatatatcg agatgcacat aattgaacaa 180
 cggaagctct cgagaaattc atatgggtcat accttttaac tcggagttct gatctangcg 240
 cataatacat tgagacgctc gaaattgaac aatggaagct ctcgagattt caaatggctc 300
 aactctaact cggagggtcca atcaggcgca aatatatc 338

<210> 2104
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2104

agctttctcag atccgggtcat ggaaagactt ggctactgcc ttcattangc agtaccaata 60
 caacacggat atgggtcctg atcggaacca gtttcagagt atgaccaagc gagaacatga 120
 gtccattaaa gaatatgcc aaagggtggag agatctcgca gcccaagtcg tcccggccat 180
 gactgagagg gagatgatca caattatggt agatacgttg cctacgttct actatgagaa 240
 gctgatagga tacatgccag ctaactttgc agacctcgtc ttccggcgag aaagaatcga 300
 gtccggactg agaaaagggc aatttgaata tgctccaac gttgccccca acaacaacag 360
 aagagcccca gtgggtggcg cgaggaaaaa agaaggagat acccacgcgg tcaccaccgc 420

cccaacatgg atgaaagcgc cccaaatg

<210> 2105
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2105

agcttaacct acttaggttt ctatgttgaa ggattgtggt tctatcttnt ctagagatta 60
 gattggatta aataaatttt taaggggttg aataaatatc tactctaatt aattttgatt 120
 aacatttaca gttaaagtta accattcaca ttatagttaa acgattaaaa ttccaacaat 180
 tttgtaattt cctttacata ttaaagtatt ttataatgat tttagttatt agttcttaat 240
 gttattaaaa agtcaaaata tcatttgatt gcaaacttgt aaactaaatc taaattttct 300
 taaaaaatgg acctgacagc gggaggggat ttataaccat acatctaatt tattctctgt 360
 tcaatgtaga aaatgcattt tgattagatt gcgcttcaat agtgtataac taaaaaat 418

<210> 2106
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2106

agctnngcca attggaagaa ttgcaaaatt ntgtctttat atgtcaaatc tgcatttctt 60
 aatggccctt tagatgaaga agtttatatt cagcaactcc ccgatatga agtcataggc 120
 agtgaagaca aggtgtacat acttagaaag gctctatatg gactaaaata ggctccaagg 180
 gcctggaata aaagaataga ctcttttcta catggtgaag actttaaaaa atatattgta 240
 gagcatggta tctatgtgaa ggcaactaag gatggtggag tcttgctaatt atgcctatat 300
 gtggatgatt tgctgattat agggagtaat ccagctgaga tagaaaagtt gaagggcaat 360
 ctcaaatctg aattcgagat gtcagaatta ggcttgctat catacttcct tggatttgag 420
 t 421

<210> 2107
 <211> 421

<212> DNA
<213> Glycine max

<400> 2107

agcttgtgct attccaagtt cattaatcat acctttaagc cagaatgctt ccttcactcc 60
ttcagctagg gccatgtact ctgcttcagt tgttgaaaga gcaacaactg attgttgatt 120
tgctttccaa ctgattgttg taccaaacaa agtaaacaca tatectgtta aagatttcct 180
tgtgtctaca tttcctgcaa aatctgcac tacataacct gtgattgctg cctcatatgc 240
tgtcttcttg taccttaatc caactttcga agatccattt agatacctta gtgtccactt 300
cacaacttcc caatgtgcac tgccaggatc tcccatgaat ctgcttataa tacttacagc 360
atgagctaag tcaggtctgc tacaaccat tccatacatt atgcttcaac accactggca 420
t 421

<210> 2108
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2108

agctnngcag ctgacattgg ctttttgaa tcattcgcag acatgtcttc tgaacctgaa 60
accagcatct caggcttgat ggtgggtgag ccgccatgg attgactatg ctgggtgtcta 120
actctgggcc ttctattagt cccaataaca acattctcgg tagaagaggt ggggtgccct 180
gacgccggtg ttgaagccga tgctcccaca gcattagacg gctcaacct ttgaaacgtg 240
gacgttgccg acgatgaatt gaacttatcc atatcaaggt acatggacag caagtctctc 300
tcggcatcat cggagaagga aggaccatca ccacctcaa caacaccaag gtcactgtcg 360
aaactaatat catccggtaa agtgagaatc tccgaatgag cagcctatg acctctattt 420
ctcgnnggat tatcaggcat tctgctaata tcatgact 458

<210> 2109
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2109

agcttgtgct ccaggaaacc actttttatg atgatcaa at gaangcaa at tttctgtcac 60
 taatgcatca ccaattgaaa aatttgaatc actaaaactc caagcaagaa tcttagcact 120
 gtctattatc ctccctgttg aataattatt tgatatcagt agtgatgttt ttgttcttca 180
 actgggtggt gacatcagcc acaaacagtt cacttttctt gggttctgat gctgtagtag 240
 tcttcgtatt gtgaaatttg aaattaatat tgttgcaaag gcagaacaat ggaaatttca 300
 aaatatgaaa gtgcgaactc acatgtggaa atctatcaat gaattttgct gcattagcaa 360
 cttcagtggc agctctgatt tcttcatttg ttgccccatc cttaccatag gcaatgtttt 420
 ctttgatgct gcaactgaag agtattgggt cctgact 457

<210> 2110
 <211> 338
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2110

agctntgagc aaattcaa ac gacaatttct ntttattctg atgtccaatt gtgtcccata 60
 ggttatcaag acgctcggaa ttgaaaacgg aagctcttag aaaaatcaaa cgacaataat 120
 ttttaactcg gatgtgcat tgagtcctat aatatatcga gacgctcata attgaaaact 180
 aaagctctga gcaaattcaa acgacaataa cttttgactc gaatgtccga ttgtgtccta 240
 taggatatcg agacgctcgt aattgagaac ggaagctctg agaaaaatca aacgacaata 300
 actcttaact tggatgttcg atggagccct gtaatata 338

<210> 2111
 <211> 457
 <212> DNA
 <213> Glycine max
 <400> 2111

gcttgacac aagattctcc ttggctggca cttcataact ctttggttgg gtcttataga 60
 tgtcttctc taaatcccca tgcaagaatg cagttttaac atctagctgc tccaagtaaa 120
 gattctctgc agcaacaata ctcaaaataa ctctgatggg agtcatcttt acaactggaa 180
 aggagtctct gtgatatcaa ttccctgttt ctactgaaac cttttacca caagtctcgc 240

cttgtatctt cttctaccgt cagattcttc ctttagccta cagaccacc tattttgtaa 300
 cgctttcttt ccttctggca atttagttaa agaccacgtc ttattcttct gaagggatgt 360
 catcttatct ttcacgcta gcttccactc aatagtgtca ttccctgca tagcctcact 420
 gaaacattct ggctcaccaa catcagttaa caacaaa 457

<210> 2112
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2112

agcttaaaca ttcaatntcg agcgtctoga tatattacat gactcaatca gacatccgag 60
 taaaaattta ttgtcgtttg aattggctca cagctcaac attcaatttt gagcgtctca 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaataggctc 180
 agagctttta cattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg 240
 agtaaaaaga tattgtcttt tgaattggct cagaggttca acattcaatt tcgagcgtct 300
 cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360
 t 361

<210> 2113
 <211> 436
 <212> DNA
 <213> Glycine max
 <400> 2113

agcttccagc aaggctctta taatcagcaa ggtctttgaa ggaaacacc cgacaaccag 60
 ttcaataaag accaggggtg atcctcaaac aagccaattc aacaagggcc taacatcttt 120
 cagaggacga ctaagttgga agagaccttg actcagttta tgcaggtaat gatgtcagat 180
 cataatagta ttgagtcaac actaaaaaac cttgaggttc aggtgggaca actggccaag 240
 cagatagttg acaagtcatt caacagtttt ggagcaaata caggcaataa tcctaaggag 300
 gaatgcaagg ctatgatgac taggagtaaa aagtttgtgg aagctgagga tgaagagagt 360
 gtggtgtaca aggagcaaat gggtgaaaag ataggtgctg aggttaagga aaatgatgtg 420
 aagggtaaag agaatc 436

<210> 2114
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2114

tgcaagctat cccatgacag ctaagtgacc gggatatgtc actccggaga cagctccaag 60
 aagacttggtg ggtagctgca caacatcatg aatctttgct tcgtcagaag tcgagagcaa 120
 gatgggtcaa ggagggagat tctaattccc attattttca tttgctagta aatgcaagaa 180
 gaagagataa ttctctgcaa ggtttatgga ttgatggagc ttggggtgaa gatccgcaa 240
 gggcaagga gacaggaaga caatttttca tctgcagatt ccaaaaagtg gttcacaata 300
 gacccctcct agatggngta gaatntcagt cattagatca gtaccacaat aacttgctga 360
 gtgggagatt tacggaggaa gag 383

<210> 2115
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2115

agcttggtgga gacctttact actaggcagt ggtatcttgt ggtggacatc ttgggtatgc 60
 atggttaggtc ggctctaact gcaatggtat atcgaaaggg gctaaggata tcaagcttgg 120
 ccaagcaaag tcacacgagt ggggaggttg ttaactacat ggctattgat gttcagaggg 180
 taggggacta ctcttggtat cttcatgaca tgtggatgct tectctgcag attgttcttg 240
 cccttgcaat nttgtataag aatgttgga ttgctgctat tgcaacactg attgctacaa 300
 taatttccat cgtcgtcact gttcctattg ccagngtcca agaaaaatat caagacaaat 360
 taatggctgc taacgatgaa aggatgaaga aaacatctga gt 402

<210> 2116
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 2116

agtcacctgc ggcattgcaag cttctcattc tcacctttct ttgectatag ttctccagat 60
atactanttt catgtttggc gctgcattct aagttcagac ttgcgtaaaa gtggaagcaa 120
ctacgagtag cttccacgtt ttttgtgata gtataacgag atttgagcat taaatgcata 180
tacttgaagt ggtccatgc tatgactctt aattcaaaa taagttattt ttaatgtttt 240
ctattttctt tgtcatgaat agaaatatgt tgatttgaaa aaggagttga gcacaacaga 300
tagacatatt ttgatagaaa cgggattcat tcgtcaatgg tgaacatcct cataagttca 360
tattaaatta ctttgcctacc ctgaaacac ctacagaatt ga 402

<210> 2117

<211> 459

<212> DNA

<213> Glycine max

<400> 2117

agcttatgct gcaaacactt ataataagacc cctcaacag cttaaccaac aacagaagaa 60
taattatgat ctttcaagca acaaatacaa tccaggttgg aggaatcatc taaatctgag 120
atgggcaagt cctccacaac aacaacagac tatecctcct ttccagaatg ttgctggtcc 180
aagcaagcca tatgttcctc ctccaatgca gcagcaacaa caacaacaac aacaagaca 240
acaagcaact aaggccccct ctcaaccttc cttagagaag ttagtgagga aaatgactat 300
ccagaatatg caatttcagc gagacaagag cctccattca gagtctaaca aatcagatgg 360
ggcagatggc tacttagttg aaccaagctc aatccccaaa ttctgacaaa tttccttcac 420
aaactgtgca gaatccacaa aatgtgagtg tcatcatct 459

<210> 2118

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2118

agcttcttat actaacgtca caaggaatgt ggttggttaga ttcataaaga aggaggtgan 60
ttgtcgatac ggactcccca agaagatcat tactgataat ggcaccaatc taaacaataa 120
gatgatgcag gagatgtgag aagacttcaa gatccagcat cataactcta ccccttatcg 180

gccaaagatg aatggggctg tagaggctgc gaataagaat atcaagaaga ttgggtcaaaa 240
 gatgacgggtg tcatacaagg attggcatga gatgttgctt ttcgccctac acggatacag 300
 aacctcggta cgaacttcta ctgggggcaa caccgtattc ttgggtttatg ggatggaggc 360
 agtactccca tttgaggtag aagttccttc tcagaggata atggcggagt c 411

<210> 2119
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2119

agcttgtgca tccaataccc tgatgaggat gtcccatatg ttcttaaaac aggactgatt 60
 catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120
 tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180
 aaggcttttc ctcatcatt agagggagtg gcaaaggact ggttgtatta ctttgcctca 240
 aggtccatca cgagctggga tgaccttaag agagtattct tagaaaaatt tttccctgct 300
 tccaggacca cagccatcag gaaggatata tcangtatta gataactcag tggagagagc 360
 ctgtatgagt actgggagag att 383

<210> 2120
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2120

tagtggatgg gcctctctac ctttctcttt gtttctgtgc attcatgggtg gaaataccat 60
 taaggacctc attgaagctc acagatccag cctccgtaga agccccacaa gcaagtttcc 120
 atcatgaact ntgaactata attctaaaat gatcaaagtt cacaaaatgc acacatatgg 180
 cctctattta tagcgtaagt gtcacacaaa attggaggaa aatttgaatt tctattcaaa 240
 tttcacatga attagaaatt gaatttgtgg agccaaaatt tcactaatta tgattaatga 300
 attntatnta tggttcagcc cactaatcca agatcaagtc caagattctc caataagtgt 360
 gcttaggtgt catgagacat gtaaatcatg aacgacatgc acacagtgtg actatatgat 420

gt

<210> 2121
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2121

actcggatgt ctgattgaga cccgtaatat atccagacgc tcgaaattga ataccgaagc 60
 tcttaaaaaa ttcaaacaac aataactttt tactcggaag tcagattgag tcccgtata 120
 tattatcgag ttgctcaaaa tggaataccg aagttctgtg caaattcaaa ccacaataac 180
 tctttactcg gatgtctgat tcacgcccgt aatatatcga gacgctcgaa aatgaatacc 240
 gaagctctga gaaaaattct aacgacaaca actttttgct cggctatccg attgagtcct 300
 ggaaaatata ggaatgctcg aaattgaatg ctgaacctct gagcaaattc aaacgacaat 360
 aacattctta ctcggtgtgc tgatggagcc ctgaatatat cgagacgctc gatattatat 420
 accgatgctc tgagaaaatt cacacaacaa 450

<210> 2122
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2122

tccttgccg ctgcagctta acattcaatt tcagggtttc gattattacg ggattcaatc 60
 atacatccga gtaaaaagtt attggcgttt gaatttgctc agagcttcng catgcacagt 120
 cgagcctctc gatatactac gggactcaat cagaccaccg agtaaaaagt tattgtcggt 180
 tgaatatgct cagagcttcg gcatgcaagt tcaagcgttt cgatatatta cgggactcaa 240
 tcagacatcc gagtaaaaag ttattgtcgt ctgaagttgc tcagagcttc gataatctat 300
 ttcgagcggt tcgatatatt acgggactca atc 333

<210> 2123
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2123

tagccttggt cctnctacc ttacatgttt catcaaactt ggttctgaac actcactttg 60
ctccaacaac agattatcct ttggggaggt ctacaagctc ccatacatca ttattctgaa 120
actggtctag ctcttcttgc attggtttga cccaatatta atcagacatg gnatcatcta 180
tgtgtttttg ctcaatctca tataagaatg atgtgttctt aagagagttc cttctctgta 240
cttatgccat aggatcacat atgatctacg ctctagatgt tgtttcctca acaggcatac 300
agttggttct ctggcctctt caggttggtt gtccactggt gagttagacg caagttggtt 360
ctgactcgac acaacagt 378

<210> 2124
<211> 319
<212> DNA
<213> Glycine max

<400> 2124
agcttgcatt atttacctt cccctttct caagcaaatt cttcttgata tcatcaaaat 60
cttcatgac cggactcgtt ggtggaggat gcatgaatga caatcaattc atggggctcc 120
gaataaaaagt ggagattgga ggataggcga atagcgctag gcaatcaatt cgcggtgttt 180
ccgactcgtt ggtggaggat gaatgaatga caatcaactc atggggcttc gaataaaaagt 240
ggagaatgga ggataggaga atagcgctag gcaatcaatt cgcggtgctg cagactcgat 300
ggtggaggat gcatgaatg 319

<210> 2125
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2125

tcagaattca atttcgatcg tctcgatata ttacaggtct caatcagaca tctgaggaan 60
aaagttattg tcgtttgaat ttgctgagag cttcaacatt caattttgag cgtctcgatg 120
tattacggga cttaatcaga catccgagtt aaaagttatt gttgtttgaa tttgctgaga 180
gcttcaacat tcaatttcga gcgtctcgat attttacggg actcaatcag acatccgagt 240

taaaagttat tggtgtttga atttgctgag agcttcaaca ttcaatttcg agcgtctcga 300
 tggttttacgg gactcaatca gacatccgag taaaaagtta 340

<210> 2126
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2126

tctataaaac taagcttaca natctggcaa cagagaaata tatggtaggt acctagtact 60
 ggtacaaggt ttatagtgtg acagcaggaa catctcacac ttgtagcacc acgtgtgtac 120
 attagcaatg tcgtacagcc tccacaataa agttgtgaca tgtccattcc tgcacgggca 180
 acatgaaatt aaagggttcc ccagatgtaa ccatttagtt aaagtccaat acatgttaat 240
 gaatacttaa tcaagctgaa tgcatagttt cttatcagat tatctctgtc tccagctctc 300
 tccacacaca cacacacaga gtatctttta aaataatatg ccaatgttag ctacacacac 360
 aatttcttga ttctttttat ctttaataaaa gcatatagct aacatttcta ttgatctttc 420
 atcatcattg atcttcaatc tcttgaagaa tctattanac aagcataatc 470

<210> 2127
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2127

tgtgcctctt cacgtctgga atatgaatgt agcatataga tccaaagacc cttaggtgct 60
 ttgtgatgg cttcttcccg ttccaagctt caattggagt cttgtctttt acagacttag 120
 ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatttgtag 180
 gtagtccctt ctcttgagc atcgatctag ctatttccat aactgtgcga ttctttctct 240
 cggacactct attntgttga ggagaatatg agactgtaag ttgtcgctca atgccttcat 300
 cctcacaaaa tcttttaaac tcgcgagagg tgtactttnt gccgcgatca cttcttagta 360
 cttttatccg ttttccactt tgattntcag caagggcctt gaactntntg aatactccac 420
 agacttctga ttttatttaa aanatatacc atgtcatcta gagaagcatc at 472

<210> 2128
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2128

tcattaagag gcttcctcaa gaagcttcct cgnngcttct ntgataagct ctctcattag 60
 acttctttga gaagcttgat gcaatccttc ctacgaagg accaatcact agaaccagga 120
 gcaagaggct ccaagaagat tgggctagag ctgctgaaga aggccctagg gttctcatga 180
 aattcagggt agatttctga gcccattgag caagggtgag tccaattatc tntgtacata 240
 ttagactacg atgtcattat atttggtcct tatatttagg gttcatatt gtaggtaggg 300
 taccctagaa atataggatt ttttcagccc ttgtatttta nggcacctag actagttntt 360
 gtattaaggg tagtcttgta atttcacatg cactaagtgg atatttgatg tgtg 414

<210> 2129
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2129

tgtcattggt caatacatcc ttctatgcta ataatcattt aattcgttct ctntattgaa 60
 tggattaatt attgtgatgt aaatttcaaa attaaaaatg aagtgaatta ctcatagaat 120
 tagaattggt agaatcatta aaagacgatc cttttatcaa gaaacctcaa tttcaactca 180
 tttttattta ttggctgata tcttataaac taataaagca aatctataca cctataaaaa 240
 aaattgcagc tccaatgata atagctggag agactcggtc atatgcattt gcaatatacg 300
 caacaagaaa tgccaataat cctgccaaca gtgtcccgaa tcctctgttg agccctttgc 360
 ataaagttac ccctagaacc aaaagaaatt aaaaaaatat taagatcatg cacaaataac 420
 atgcnacaga aacacattat ntaacatagg aatatagaaa tat 463

<210> 2130
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2130

catgcaagct ntgaatgctc tattctatgg agttgacaat aatatcttca gactgatcat 60
 acacttgac agtggccaaa gatgcatggg agatcctgaa aaccactcat gaaggaacct 120
 ccaaagtga gatgtccaga ttgcaacttg tggctacaaa attctaaaat ctgaagatga 180
 aggaggaaga atgtattcat gacttcaca tgaacattct tgaaattgcc aatgcttgca 240
 ctgccttggg agagaagatg acagatgana agctggtgag aa 282

<210> 2131
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2131

tctgaggttg tegtgtgtat attagaggat atgttcaatg aattatccag acaaggtaat 60
 gaaggccttg atatgacttt ctagggtctaa tattaataaag tgtgaaataa atatgatgct 120
 tatttttatt gatctatata ttattcttgt gtaatgtcta agattattat cttttcaatc 180
 gtaaaggaag aaaaaattaa gaggaagacc aggcagcatc ccaatgagca atccacatt 240
 ntgattgagg ttgatttact tgctaataatt gttgacataa ggctttggca agctcaagaa 300
 attatagaat tgctcaaacc tacggtaagt tccttcacac catgtcttaa tcttctgtcc 360
 tgtgggttat gttgtgtgaa tcgactgcta tcgaggggta ctttcatctc tggtcagtat 420
 tattaagttt gtgatcccta acagtgatac ata 453

<210> 2132
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2132

taagcttaat gatcagcaca nagccatcat ttgtaactat ccaggaccca gcattaaaaa 60
 tgtataagct gtaatcaaat agaanattcc tttccaatca tcaagattag tatccaaaga 120
 anaaaaaac atgaaaaaaa aggaaattct gatttaatat acaagcactg gccactcagt 180

catgtaccag cattgggcag ggctgccata aaggaattgt aagaagactc aagatcaaag 240
tgaagctgcc tcgcctgttg ttccgtcaac tcatcagctg cacccatctt agataacctt 300
gcaatccatt ccttcattnt ggttntcccc tcaaatcag gcggcaggaa tgtcaactta 360
ttaagcgaag cataaaggtc cgagagcaat ggggtcacct gatccacagc caccatgtta 420
agtttcaagg aatccattga agtaataaaa ttctgaacac act 463

<210> 2133
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2133

tatccaaaca ggaaaaaata acatatgctt tctatgcttc tgatagactt gaactttata 60
tatttgatca aataaagagt acactagatg aattttctcaa taaatattta taggagaaaa 120
aaataataag gtaaaatgaa ttaaatntct ttgtcttcaa ctaacacagc taatttaact 180
cataagtact tactgagaag tttatccaaa taagggtctaa agcttaatca gataccgaaa 240
cgggtatgga gggagtaaaa ntaattttaa caaaaagagt gtgacaaaaa acaatgaaat 300
gaaagagtac ttcgaaattg gtcttctaca ggtgtactga tggcccatcc attattacga 360
cagataanaa caacaggggg cctcatgact gctgcaaaat tcatagcagc atgaaaaatc 420
t 421

<210> 2134
<211> 458
<212> DNA
<213> Glycine max

<400> 2134

cggaagctct cgagaaaatc gagtggcat atattttcac acagttgttc gattctgcga 60
aataatatat cgagacgcac gacattgaac aacggaagct ctcgagaaat ctgaatggtc 120
ataacatttc actcggatgt tcgatccggg gacataactt atcgagacgc tcgaaattga 180
acaaccgaag ctctcgacaa attagaatgg tcgtaactct tcacgcgaat gttcgattcg 240
gggacataac tcatctagac gctcgaaatt gaacaacgga agctctcgag aaatttgaat 300
ggtcataagt ttccacacgg atgttcgatt cggaacata atatatcaag aactcgaag 360

ttgaacaacg gaagctctcg agaaaatcga atggtcataa cgttccacac agatgtccga 420
 ttcagggaca taactcatct agacactcga aattgaac 458

<210> 2135
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2135

agcttgtagg ccttagatct tcttcatcaa tgaagtcctt tgcttcttga agatcaatgg 60
 cagcggaaatg gagaaggagg aaaggtgatt agagatgtca cttcaaggaa aaaatgagtc 120
 aaaatcaagt tcaccaccat aggaagccat ggataagagc tagaaagtat ggaaagatga 180
 gtggaggagg agggagaaaa aagaggggtac cttagtaatg taggattttt cagcccttgt 240
 attttangac acttatanct agttttgtat taagaaataa tttataattt cacatgcatt 300
 aaatgtatta tttgatgtgt gtatgttggt agataaaatt aattgaatta gaagaagcac 360
 aatgcacatg atgtactacc atgtgagatg tg 392

<210> 2136
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2136

agcttgagaa tggagaatng cactaagcaa tcactacgca tagttccaaa ctccaagggtg 60
 gaggacacat gaacgaaaac acaattcatg gggctccgaa naaggggttg agaatggaga 120
 attacactaa gcaatcacta cgcatagctc caaactcgaa ggtggaggac acatgaacga 180
 taacgcaatt catggtgctc cgaaaagatt gagaatggag aattgcacta cgcaatcact 240
 acgcatagct ccaaacgcga aggtggagga cacatgaatg aaaacgcaat tcatggcgct 300
 ccgaaaagaa tgagaatgga gaattgcact aagcaatcac tacgcatagc tccaaactcg 360
 aaggtggagg acacatgaat g 381

<210> 2137
 <211> 424

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2137

nggacagttc agcagaccac aggtttgtgg ttaggattct tccctcagga acccaatgag 60
catatacatc cttcaatggt tgaatggctt tttggccttc tggggctctcc ctgcctccaa 120
tgaggacacg gtccggattg aaaagatctt ggattgcagt tccctcagca aggaattcag 180
ggtttgaaag gatttggaac ttgattccct tgccattgtg agtcaaaatt ttctctatgg 240
cctcagcagt tttcacaggg acagtggatt tctccaccac aatcttgta ctcttgata 300
catcagcaat catgcgtgct gcactctccc agtacgttaa atccgcggcc ttaccggctc 360
caagaccgcg agtttttgtc ggggtgttga cagagacaaa cactatgtct gctcataga 420
catg 424

<210> 2138
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2138

agctntacat tntcgtgaat gtgacaatct atttcttagt ggattgattc accttaacag 60
cccacaaaat catataagca taattagatg caacaactca ctcatctcca atcttcatat 120
gattgcacca aatgaaagcc caaacactga tgagaatggt atctcacatt catccaacat 180
ttccataaag aactccaaga tggaaattgg taaatcatat ataagttaca atctttaatt 240
gcataattat tataatctgt ccttaaatca ttcaatgaga atgcatagcc cttaattcc 300
tagttntttt tataaggcta ctcaagtggg agatcctctc ttnaattttt tattaataaaa 360
tatgtgatgg taaatattca ttttctcatt aagttgcaat cttatgtata aaa 413

<210> 2139
<211> 455
<212> DNA
<213> Glycine max

<400> 2139

tcattgtcaaa gagagaacgt ttttctctgt ccaaaagcac tctttgagct ttctccaatc 60

aacttaaagtg cagcttctgc accagcaaag ttgttttgt caggatgaag ttggagagca 120
aacttgctat attgcttctt aattattgca tcaccagctg tctgttcgac ctgaagaatt 180
tcataccaat ccattctcatt accatacaat ttctgctcag cagagcagtg cacatcacia 240
acaacaagca tttagctat attttcaga tcaaggtaca gctgctgagc ctttagagca 300
actttgagag ccccaacaaa atccctgttt tccatcttct ttccagaatg tccttggccc 360
ttaaggcctc ttctttattg cagtccatca aagatccaga tgggaaaata ttatagtga 420
tgctatggcc aagtgaagct acatttaac caaca 455

<210> 2140
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2140

gcaagcttgc tcagctagct gatataatca tgcatacttt tctgatgatg accgaggaac 60
aattagggat caacttgaaa cttatgtgct tcacgtgaga agaaatgctt cttttccac 120
ttgtgaagat gttcaaagtt tggctatgaa gatgggtcaa actgagaaac atttggtatt 180
tccattgggt tataaactta ttgagctagc ttgatattg ccggtgtcga cagcatccgt 240
tgaaagagct ttttcagcaa tgaagattat caagtctaaa ttgcgcaata agatcaacga 300
tgtgtgggtc aatgacttga tggatgtta caccgagcgg gagatattca agtcacttga 360
tgatatngat attattcg 378

<210> 2141
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2141

tgtagctnt aaggaggtag ctctgagata ctacatacct acattgggtg tgcccttaag 60
gtatttaatg atccttttaa cggtgttaa gtgagattcc ttggattgg ccatatatct 120
tgcacacaag caaacactta gcatgatatc cggtctactt gcagttaggt agagaagtaa 180
tccaatcata cctctatata ttaactcacc cactgattta cttttctcat ctaagtcaag 240

gtaggttgaa gttgcattgg agtatatgct tctttgcatt tttccatata gaatttctta 300
 attagttata tacaataatt ggttcgacta aggaaggttc cattctttat ctgcttgacc 360
 tggagtcaaa gaaagaagtt caattctcta atcatataca tctcanattc tttctacata 420
 caacttgaaa attccttaca caaaatttca 450

<210> 2142
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2142

gtacagcaga tgtcactcta ctccaaattc ttgaaggata tgtttacaag gaaacataag 60
 tacattcact aggaaaacat tgtagtgga ggaattgta gcaactgtgat tcaaaagatc 120
 cttccaccta agcataaaga ccctgagagt gtaactattc cttgttcaat tggagaagtc 180
 actgtgggaa aggctcttat tgacttanga gccagtataa atntaatgtc actctccatg 240
 tgtagaaggt tgggagagtt ggagataatg cccactaaaa tgactttaca aatgggtgac 300
 cgctctatta ccagaccata tggagtaatt gaagatgtgc tggtcagagt gaaacatttt 360
 atcttctga cagacttcgt ggtaatggat atctgtgaag atactgacat tcttgtaata 420
 ttgggaaggg cattcatggt aactg 445

<210> 2143
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 2143

agcttcttag tttcagatga tgcagatggg tttgttttac ctcatgcact cctctaataga 60
 ctatggcatc atttctggcg ctaaactgct gggagttgga ggccatcttc tcaattaaat 120
 ttctggcttc aacaagagtc atgtctccaa aggctccacc actggcagca tctatcatac 180
 ttctctccat attactgagt ctttcataaa aatgttgga aagaagctgt tctgaaatct 240
 gatggtgagg gcaactggca catagtttct taaatcgctc ccagtactca tacaggctct 300
 ctccactgag ttgtctaata cctgagatat ctttctgat ggctgtggtc ctggaagcac 360

ggaaaaaaat ttctaaaaat actctcttag ggtcatccca gctcgtgatg gaccttgag 420
 caaggaata ca 432

<210> 2144
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2144

agcttcattc cttntcact catgtgtcca agtctttgat gctcacatgg ttgaattatt 60
 gacagcctca gtaattgcta ccatatcctc atctgcaatc atgtaaagag atcctcgctt 120
 ctttccacga gccacaatga gattgccttt tgttaccttc caagctccat ctccaaaagg 180
 ggtgtaatgt ccctcatcat ccaactgccc tatagatatt aaatttctct ttaaggcagg 240
 aatatgtctg acattgtgca atgtccatag ggtccacta gaggtcttaa tgttgatatt 300
 acctcttccg acaatgtcaa gagattttcc atctgcaagg taaacttttt caaatcttcc 360
 agaaacatag ttagacaata aatctttaga gggagtagtg tggaacgacg cacctgagtc 420
 catgatccat gaatcaacag gactatccaa act 453

<210> 2145
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2145

ggcttctaca ttnttcattg taccaattgg ttctttcttt gtatagcttg gatgattcat 60
 atgcgttgag ggcacatctt ttaagttcct gtagctttac ctctctctc tctctacatg 120
 ttgtagagtc aaagttgagg aacttcattg cccaataagc ttttatttct aactaccctt 180
 gtaggtggca tgcttttccg tacaccattt gaaacggnga gaggccaatg ggtgggttga 240
 aggttggttt atatgccc ataggcaatcat caagctttgc agcccaatcc ttccttgaag 300
 tagctacggt cttttctagt atcctcttga tctctcctat ttgaaacttc atcttattca 360
 tatgtttgtg aataataggg tgatactact ttatgttgaa cattatagta ttggaggacc 420
 tttgagagtt gagcattaca aaagtgtgta cc 452

<210> 2146
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2146

tcttgctctt ctttcttgac ttctcaacg tctcctttac accttggctt aacgaggctt 60
 catcttgctc cttcaagccc ttctctaaga tatccacac atcttgagct cctagtagcg 120
 ccttcatctt gatactccca attatcatag ttgtctttgt gagcatcggc atttggaag 180
 gaaaaccttc attcgccatc ttttgaggat ctttgagctc tgataccact tntgtggaaa 240
 taaggctttt tatgt 255

<210> 2147
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 2147

agcttatgct gcaaacatctt acaatagacc tccttaacct caacaacaaa atcaaccaca 60
 gcagaacaat tatgacctct ccagcaatag atacaacctt ggatggagga atcaccctaa 120
 tctcagatgg tctagccctc aacaacaaca acagcaacct gctcctttct tccaaaatgt 180
 tgctggccca agcagacctt acattcctcc accaatccaa caacagcaac aaccccagaa 240
 acaacaaaca gttgaggctc ctccgcaacc ttccctcgaa gaacttgtga ggcaaatgac 300
 tatgcagaac atgcagtttt aacaagagac cagagcctcc attcagagct taactaatca 360
 gatgggacaa ttggctacac aattaaatca acaacagtcc tagaattctg acaagctgcc 420
 ttctcaagct 430

<210> 2148
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2148

agcttagtcc tataaccattg ttactgaac tctttataac tggtggggaa caggctccta 60

agtttccac acctaaagta attcaaggta gtacattaaa agcatattcc tgatectagc 120
aatatttata ttcataaata aacatggtaa gctgatacat cttttgaaat gttttttatt 180
tggaacagtg aatctgtctg gatggatgac tgatgaagag tttgcaagag agatgattgc 240
tggagtaaata ccacacatta ttaagaaact tgaggtaaata ttactattga actgttaagt 300
acataacact antaaacatt tatccacttg ttaaatttgc agttgataac ctttaactcat 360
tgcaaattat attta 375

<210> 2149
<211> 379
<212> DNA
<213> Glycine max

<400> 2149

cacacggaag tccgattcat ggcataata tatcgagacg ctcgaaattg aacaacgtat 60
ggtgtcgata aattcaaag gtcataactt tgtcaacgga tgtccgatta tgcacataat 120
atatccagat gctcgaaact aaacatcgac agctctcgag acatacaatg gtcataactt 180
ttcacacgga agtccgattc aggcgcataa tatatcgaga agcttgaaat tgaacaacgg 240
aagctctcga gaaactcaaa tggtcataac ttatcacacg gacgtctgat tcaggcgctt 300
aatatatcga gacgtctgat attgaacaac gcatgggtgcc gagaaattca aatggtcata 360
acttgtcaca cagatgtct 379

<210> 2150
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2150

agcttgtaaa tgaacaacgg aagctctcga gattattaaa tggtcataac ttatcacacg 60
gaagtccgat tcagacgcat aatatatcga gaagcttgaa aatgaacaat ggaagctgtc 120
gagaaattaa atggtcataa cttgttacac cgaagtccga ttcaggcgca tactatattg 180
agacgctcga aattgaacaa cggangctct tgaaatatta aatggtcata acttattaca 240
cgggagtccg attcgacgca tatatattga gaccttgaaa ttgaacaacg aatgctctcg 300
agaaattcaa atggtcataa cttttcaaac ggaagtccga 340

<210> 2151
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2151

tctatggaaa ctgggatctt gagcttcaat gaagtccttc aatgggtgatt ttcaaccatg 60
 gagatgcagc ggaagataaa ggagaagatg tgagatgatg tagcttcatg tagagcttgt 120
 aggccttaga tcttcttcat caatagagac ttttgcttct tgaagatcaa tggcagcgga 180
 atggagaagg aggaaagggtg attgtagacg ccacttcaag gagaaaatga gtcaagaaca 240
 agctcaccac catatgaagc catggataag agcttgaagg tangagaaga tgagtggagg 300
 gagagagggga gaangggcat ganatgtatg cctcaaata ggtttgaaca ttgaagtgt 360
 atttctcaaa tgttcanagt tgaaaaata cacacacaaa agcttctatt tatagcctaa 420
 gtgcacacaa aattggaggg aagattgaat ttctattcaa cttcacttg 469

<210> 2152
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 2152

agcttctggt ttcaatttcg agcgtctcga tatattacgg gactcaatcg gacatccgag 60
 tcaaaagtta ttgcgggttg aatttgatgt gagactccgt tttcaatttg tagcgtctga 120
 atatattatg ggactcaatc agacatctga cttgaaagt tttgcgggtt taatttctag 180
 gggcatctgc tctgaatttc gaatgtctcg atacattatg ggactcaatc ggacatccga 240
 gtaaaaagt attgtcggtt gaatttgcta cgagattctg ttttaaaaat ggagcatctc 300
 gatgtattac gggactcaat tggacatacg agtaaaatgt tattgttggt tgaatttgcc 360
 cagagctctc gttctcaatt tggagcgtct cgatatatta ccggactcag ttggacatcc 420
 421

g

<210> 2153
 <211> 446
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2153

aattactttg gttcgggtcaa aattatttat tttaggataa tttattttta ccaaaatgtg 60
taggctttta tttttctttt tattactaat tatagggatg caatctttgt tttgtaaagc 120
cataagtcca cttgtatggt cttcagttaa ttttggaatt atgctttttt caaaattttc 180
gtaaagaaaa tctacagttt tttctatttg gtttagtctg atttccaaag tggaaatcct 240
attgttcata attttatttc catgatcatt ttctttctta aagtctggaa attctatttt 300
cagaatagtt tgtacactag ttntgcagaa attcttatag cataaactac agtgagctct 360
tagtgttttg tgtggatata ttttacagaa ataacattct ttgtgatctg gtctatgtg 420
gaattgtatt tcatgttcac ggatcat 446

<210> 2154

<211> 472

<212> DNA

<213> Glycine max

<400> 2154

atactcaagc ttcttagttt cagatgatgc agctgagttt gtagttacct catgcactcc 60
tctaatagact atagcatcat ttctggcact aaactgctgg gagttggaag ccatcttctt 120
aattaaattt ttggcttcag caggagtcac gtctccaagg gctccaccac tggcagcatc 180
tatcatactt ctctccatat tactgagtc ttcataaaaa tattggagaa gcagctgctc 240
tgaaatctga tggtaggggc aactggcaca tagtttttta aatctctcct agtattcata 300
caagctctct ccattgagtt gtctaatacc tgagatatcc tttctgatgg atgtggctct 360
ggaagcaagg aaaatgtttt ctaagaatac tctcttcagg tcatcctagc tcgtgatgga 420
ccgtggagca aggtaataca accagtcctt tgccactccc tctaaagaat at 472

<210> 2155

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2155

ntattcttaa ttttcttgaa cttgataatt gggaatttgc tttatttntg acaatacact 60
 ntcccattcg tcaatcctcc taccatgtaa gtaagatcca agaacttcaa gagctagtag 120
 tagtctcca caataagcaa ctacatttct tgcaagttca ttgaagtctt cttttggatt 180
 tggttctcca aaagcgtgaa aacaaaaaag ctcaagagac tcattttcgt ccatttcctc 240
 catttcataa acataatcaa cntaaatag gttcagtaca cctgcatctc ttgttgtaat 300
 gattattaca gatccttgac cgaaccattc acaatttcca cataaatctt ctaattggcg 360
 aatctccttc acatcatcaa gtacaatgag cacccttttt cctgaaagtc tattctctat 420
 catagtgggt cccatcccaa tgctatgtat cttgacct 458

<210> 2156
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2156

tttgagcaat tcaaattggtc ataaatagtc actcggaggt cttattcang cacataattt 60
 atcgagacgc tctaaattga acaacggaag ctctcagaaa atttaaattgc tcataacttt 120
 taactcggag gtccgattca tgcggataat atatcgagac gctccaaatt gaacaatgga 180
 agcttttgag caattcaaat ggtcataaat agtcactcgg aggtccgatt caggcgcata 240
 atttatcgag acgctctaaa ttgaacaacg gaagctctca gaaaattcaa atgctcataa 300
 cttttaactc ggagggtccga ttcaggcgga taatatatcg agacgctcca aattgaacaa 360
 tggaagctgt tgagcaattc atatggatc aactattcac tcggaggtcc gattcaggcg 420
 cataatttat cgagacgctc gaaattgaca acggaagc 458

<210> 2157
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2157

ctaagctgaa tagacattcg tgtgaaagta tgacatttga tttttcgaga gtttccgatg 60
 tttaatttcg agcgcacgga tatattataa gcctgaatcg gacatccgtg tgaaaagtta 120

tgaccatttg aattttagag agttcccgat gttgaatttc gagtgtatcg atatattata 180
cacctgaatc ggaccttagt ggtaaaagtt atgaccatcn tgaattcacg agaagctttg 240
ttgttcaatt tcgagtgtca ctatatgtga tgcgccaaaa ttggacattc gagttaaatg 300
ttatgagcat ttgaatttct caagagcttc caatgttcaa ttctgagcgt ttcgatatgt 360
gatttgccctg aatcggacat ccgtgtcaaa agttatg 397

<210> 2158
<211> 341
<212> DNA
<213> Glycine max

<400> 2158
agcttcaacc tagaggagac ggaccattcc aagtgttga gaatatcaac gacaatgcct 60
acaagattga cttgcctagt gagtataatg taagtgccac tttcaatgtg tctgatctat 120
ctctttttga tgcagatgga ggagccttgg atttgaggac aaatcctttt caagaaggag 180
ggagtgatga agacataacc aagggaagg accatgaagc acttgaaggt tccatgacca 240
gaggcagact taaacaagcc caacacgtta tagagacaac gctggtcatt tgtatagctg 300
ccattgatga tgattgaagg cccaagtga gaaagatgaa t 341

<210> 2159
<211> 462
<212> DNA
<213> Glycine max

<400> 2159
gtcttatttc agcagatgaa gatgaatcca tggccacatc atggactcct ctaaggacaa 60
tagcatcatt tcttgactg aattgttggg agttggaagc catcttctca atcagattcc 120
tagcctcaac aggagtcata tcaccaagag ctccaccact ggcagcatca atcatactcc 180
tctccagggt gctaagtccc tcatagaaat attgcagaag gagttgctca gaaatctggt 240
ggtgaggaca gcttgcacac aatttcttga atctttccca ttactcatac aagctctctc 300
cactaagttt ccagatgcct gaaatgtctt ttctgatggc agtggtccta gatgcaagga 360
agaatttctc caagaacaca ctcttaaggt catcccagct ggaaatggac ctgagagcaa 420
ggtagtacaa ccaatccttc gccactccct ccagagtata aa 462

<210> 2160
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2160

agcttctaaa ctntatacaa gaatgaagct ctgataccac ttgttagaca tgtggcctca 60
 gatattcttaa gaaggggggt tgaattaaga tattacaaac tgtttcccca attaaaaatt 120
 ctactttgat tctaatgcaa gttccaagtt cccttaaaga tgaatttcta aatgatgatt 180
 caaattaaac aatctgaatg taactgttaa gcaacaataa ataaaagagt ttaaggggaag 240
 agaaagtgt aacacagttt ttatacaggt tcggcaaagt ccgttgccca cgtecgatcc 300
 ccaagaaagc cgcttgggag ttccactatc tcgtaatcct ttacaccttc tgaaacacac 360
 aaggacatcc cttcctttgt gttcagatgc ttacaacaa gagactctca gtctcttagc 420
 cctttgatca gaaagagagg aagaagaaat gatctt 456

<210> 2161
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2161

tctaccctgg atcgaatggt cacataacac ctcttgtaac gtctgcacag gcacaactcc 60
 ttatgaggtg acgtttggaa gaaagccatt taactttcca gagtatatca aaggaacatc 120
 taacatcgaa gcattgaatg cttattgact gacaaagatg ccactttcca aacgattcgc 180
 aaaaagcttc ttaaagcaca ggaagctatg aaaaagtagg ccgatagcaa gaggcgcaac 240
 aggcaatacc agataggtga ttgggtcttg ctccggcttc gtcctctcca ccagacatca 300
 gccaaagggc ctcaaatagc ttctggtaaa ctcgcaaaac gattctatgg acccttccag 360
 gtaatagatc gcattggcat tatggcctac aaactgaaat tgccggagac agctaanatc 420
 caccctgtgt tccattgctc taaacttaaa cc 452

<210> 2162
 <211> 411
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2162

agaagtagta tatttcacct tcaaaccaat tcaatcaact atcaaataatg anattacaac 60
acataaaggc gccaatgaac cgaatagcac tcaaaaaaga gtacatcgca tgctaaacgt 120
gacttacagg aaacgcatta tagaccatgt gatgtcfaat atcaagcagc tccccagtct 180
ccaaacacga aggtctgtga actggaaagc tagttttgag aaactgttcc aatcgatgcg 240
catcgatggt tgatctgtag cctccgtctc actaaaacca atcagaacca cgttcacttc 300
aagcggaact cgaaacggga cctacacgaa ccacagacta aagcattcac acttaataata 360
acacatcaat taattggata gcgaatgtga atttgatttt tgtgggtgacc a 411

<210> 2163

<211> 448

<212> DNA

<213> Glycine max

<400> 2163

agcttagaaa gacaatactt cattcatgac atcaaataaa ctttaaagtc atccgcaata 60
ttcaaataaa acatatatga attattggaa aagataaaac acaatgccaa atgtgagtg 120
ataccactag tcatatatca ttaaagtaat taagttaaag acacataatc atgaacaacc 180
tagagcacgt caatataatc ataatgttca gtcatactaa gcaagtgtta aaagaataac 240
taagtattca aatgtcataa aaacatagtc aaagacaagg cttaaaaaca aaatataatt 300
ataatctaaa tatattatca gagaatctaa gcttaggttt aagtaacaaa aattagttat 360
gaacacatac atgggtgactc attacttate ttgattaatt aaccactaga ttttaagtat 420
gatataacaa tcatgaacac atatcata 448

<210> 2164

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2164

ntggaagcaa tcttgtattg gtgcttcctt catcattcct gtttatgcct tcagcaacca 60

agtcaaacag tagggggggcc aaaggatccc ttgtgtcaa acctctttga ggcttaaatt 120
 cagagggttg gcttccattc actagaatag atagataggc tgatgtgagg cacccttat 180
 tccatccaat ccatatatca tggaacccca ttcttctcat catataaaan aggaattgtc 240
 aagacattga atcataggct ttttcgaaat ccactttata aagacacacc cacacacaca 300
 cacacacatt tctctcaac taccttattt gcaaccagaa caccatggag ctactgtcta 360
 cccttcacac agacacaccc acacacacac acattcacgt tgggacacac ccactcatac 420
 tcacacacac acactcactc ggacacacac gcaca 455

<210> 2165
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2165

agcttcaaga aaaagatggc ctcagcaaatt tcttatttc cagaaggga ttctatcaat 60
 agacctcaa tctttaatgg agagggttac cactactgga aaaccgaat gcaaattttt 120
 atcgaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcctta tatacccacc 180
 acagtagaaa gaagttcaat agatggtagt tcatcaagt aaagcataac catagaaaaa 240
 cctagagata gatggtctga agaggataga aaacgagtac aataaacct aaaagccaaa 300
 aacataataa catctgccct aggaatggat gaatatttca gagtttcaaa ttgcaagagt 360
 gctaaggaaa tgtgggacac tcttcgataa cacatgaagg aactacagat gttaaaagat 420
 ctangataaa tgcactaact catgagta 448

<210> 2166
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2166

agcttgcctt gcccttgat atatttaagg gactcatgga cactatgaat gaaaaattcc 60
 ttgggataaa ggtagtgttg tcatgtattc aaagcccgca ctaaggcata caactcctta 120
 tcataagttg aatagttaag ggtacaacca cttatctttt cactaaaata agcaattgga 180

tggccttctt gcatcaacac agccccaate ccaacatttg aagcatcaca ctcaatttca 240
 atagattttt gaaagtttgg caacgcacgt atgggggcat tacttagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc cattcgaaac caacatttct cttgagcact 360
 tcatttagag gtgctgcaa tgtgctataa ttcttcacaa atcggtataa aaacttgctn 420
 accatgaaac tctca 435

<210> 2167
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2167

agctntatgn gatgtaaaga cctgcaactt ctctattgat catgctggag aaggaaatga 60
 agtgcaacta agtgagctag atgagatccg tttacaagcc tatgagaatt ccaaatttcta 120
 caaggagaag accaagaagt tccatgaaaa cttgatagct aaaaaggact ntgtggttgg 180
 acagaaagtt ttattgtata actctaggct cggactcaag agtggttaagt tgaggtcaaa 240
 gtggattggt ccttttgtgg tggctaattgt ttttccttat ggtacagtgg agatcaaaag 300
 tgaatccaca tataagagtt ncaagggtcaa tggacaccgg ctgaaaccat tcttcataaa 360
 tcccttctta gcggtgtag tgggtggagga gacctctta ctccacccta cttctcttcc 420
 gccatgactt 430

<210> 2168
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2168

agcttgtagg gttaaagtct cagcattgtc atgtgttgat gtaacatctt gccaaacaaa 60
 gtcaggttag ccataactcg cctgtgcttt ttcttccatg ccatatatag caaagtcgtt 120
 gatcctgtca agtatgatga gctggaaaat gaggccgaaa ttatactatg ccagttggag 180
 atgtattttt cccctgctnt ctttgacatc atgattcact tgattatgga tctggtcaga 240
 gaaatcaaat gttgtggtcc tgtttatctg tgggtgatgt acccggtga gcaatacatg 300

aagatc

<210> 2169
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2169

ntacattact cctcatgctt ctcaccatgt ctaataaggg tttatttctt cgntctgcc 60
 caccattctg atccggagaa ccaggcatag tgtattgggc aacaatccca tgttcttgaa 120
 gaaattttgc aaatgaacct ggtgcttgtc catcctctgt gtatctacca tagtactccc 180
 cacctctatc tgatctcacg atcttaattt gttttccaca ttgtttctca acttcagcct 240
 taaaaacttt aaaggcatct aaagcttcat tcttagaatg aagtaagtag agatacatat 300
 atcgtgaata atcatctata aaggttatga agtatttcgg actatttgca tccatgtctg 360
 gacaacatat gtctgtatgt atgatttcta ataaattaga actcctcttt gcaccttctt 420
 agacttgta gtttgcttac ccttaatgca atcta 455

<210> 2170
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 2170

actaagcttg tgctgtgtac ttttactctc tcaactctca attactgggg cctttagctt 60
 gcgtttgtgt ctttctatgc tatattatgc agtaaaaaga tttgagagat ttttcttaca 120
 gtaaaacact aaaacattct gtacttcatg atatggtttt gaagtctga ggggacattt 180
 tattttcttg tgggtggttg catcttttgc aagtatcaga taacactcct tgatgggggtt 240
 gggagtgttt ggttctgttc tggttttggc actcttattc aagcatttgg catctcaact 300
 tccaaatact gatgagttct ctgtgtctga gttcttgaag aagatgatgg gtttagcatc 360
 tttccaaggc tacaacttct ctgcttctgt ctgttcatgg aaaggggttt cttgtgatgc 420
 caatagagaa catgttgctg acttagtctt ttctggtatg ga 462

<210> 2171
 <211> 532

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2171

tcaggctgct caattgctcc aggttgctgc atggaagggc aaaggtctgt atgggtggta 60
tcagaggagc acaaaccaca aacccttgcg acaggtacaa atttctgatt caaggccagc 120
tgggttacca agttgaccaa cgcattccagt ttgccttcaa gcttcttagt ttcagatgat 180
gcagatgggt ttgtagctac ctcatgcaact cctctaata gaatggcatt atttctggca 240
ctaaactgct gggagttgga ggccattctt tcaattaaat ttctggcttc agtaagagtc 300
atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat attactgagt 360
ccttcataaa aatattggag aagaagttgt tctgaaatct gatggtgagg gcaactggca 420
catagtttct taaatctctc ccagtactca tacaagctct ctccactgag ttgtctaata 480
cctgagatat ccttctgat ggctgtggtc cttgaaacan ggaaaaattt tt 532

<210> 2172
<211> 514
<212> DNA
<213> Glycine max

<400> 2172

agcttcacat ggagctatat catgtgggat caagagcaac ttcttctatg taatgttctt 60
ttgctttctc tatcttttgt tcagtcaatt cactttcatt ccttgttctt catcttattc 120
tccatgtatc tcttccattt tcttatgggt tgggtgtttt tagagtggat ccaaaaaaat 180
aaatcgatta aatcttagat ctacacttgt tcttgcattt ctatggttca aattttataa 240
atctactctt gaatcatgtt tttgtgttga ttttaggttc tataattttt cagtcataat 300
cttcttgtac taaaccttta aatttcaatt ttcttgcaaa atattgatta gaaaagaaaa 360
cacaaaaaat taagtgtaaa tcaactaatc catgttgtct tagagtcatt ttagtcata 420
ataattgtca cattatgttc taagtttgcg ttcatttttt attttgttga ttgaattcta 480
gataccattt ttttatttat tcttgcaatt ctta 514

<210> 2173
<211> 317
<212> DNA

<213> Glycine max

<400> 2173

agcttgaaat tgaacaacgg aagctctcga gaaatttttt gtgttataaa tttacacaca 60
gatgctcgat ccggggaaat aatatattgg agacgcacga aattgaacta cggatgctct 120
agacacaggt gaatggtgat aacatgtcac tcggatgggc gagactgtgc caatttctat 180
ccagacgctt gaagtcgaac aaccgattgt ctaaacadat tacaatggac gcaactgttt 240
acgcgaatgt tcgattgggg gacaaaactc atgctgacgc tcgaaatgga acaacggaag 300
ctctatagaa attcgaa 317

<210> 2174

<211> 537

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2174

gtttgatctt ctgattcacg tgcttaaaat gctctcgata cttttattct tcctctcaaa 60
ctctttgaac tcttcttgc acttctcat atcattatct aactctatt ttatgaaat 120
gaaagaaaaa aacaatgact agattacttc ctcaaagct tatcattaag aatcatatga 180
ccagcaatat aatcatgcaa actgattcaa ttagaaaacc cgtctcatcc aaacctcttg 240
tcttttcata tagttgttgg gcgcagtttc aagctctttg agagtttggt cactatcttg 300
gattttatcc ctggaataag ataccaccat gttcttcgcg aggaaagaat tcaaattcac 360
caaataaaga aaaaaaatt cccattgaa atocaaatgt acctttctgc cttgagatnt 420
cttttagagt agcaacattc ccttgtaact cattcatttt tccacctgta tcatcaaggg 480
ccaactttgt agctttctgt gccatttaaa cagagacaac tccttaacat gtatgct 537

<210> 2175

<211> 500

<212> DNA

<213> Glycine max

<400> 2175

agcttgtagg gttaaagtct caccgattgtc atgtgttgat tcatcatctt gccaaacaaa 60
gtcaggtagg ccataactcg cctgtgcttt ttcttccatg ccataatatag caaagtcggt 120

gatcctgtca agtatgatga gctggaaaat gagggcgaaa ttatactatg ccagttggag 180
atgtatTTTT cccctgcttt ctttgacatc atgattcact tgattatgga tctggtcaga 240
gaaatcaaat gttgtggtcc tgtttatttg tgggtgatgt acccggttga gcaatacatg 300
aagatcttaa aagggtatac aaagaatcct tatcatctag aagcatctat tgttgagagg 360
tacattgcaa aagaagtcac tgaattttgt tcagaatata ttgagaaggc taaacctatt 420
ggccttcttg agtctcggca tgatgacaaa gtgggtggta agggttcaag aagactgcat 480
gtgatcactc caagtctaaa 500

<210> 2176
<211> 475
<212> DNA
<213> Glycine max

<400> 2176
tccgactatg ctcttgtgtg gtggaacaag cttcataggt ttatacaaga aatgaagagc 60
ccatgggttga tacatggacg gagatgaaaa agatcatgaa gaagcgggtat gtgccggcta 120
gttactcaag ggacttgaaa ttcaagctcc aaaaactaac ccaaggcaac aaggggggtg 180
aggagtatTT caaggaaatg gatgtgctca tgattcaagc aaatattgaa gaagatgagg 240
aggcaactat ggctcgatTT cttaatggtt tgactaatga tatccatgat attgctgagc 300
tgcaggagtt tgttgaaatg gatgatttgc ttcacaagat gtccgattca gtagcataat 360
ataacgagac actctaaatt gaacaacgga tactctcgag aaattcaaat ggtaataact 420
tttaactcgg aagtccgatt catgcgcata atatctcgag acgcttgaaa ttgaa 475

<210> 2177
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2177

agcttgtacc ttcacagtct acaaaatcgc attctaaatt gattgagagg tgTTTTggct 60
aaagaaaact ttagatTTTT tgtatttttag agcccgccca aatgcagctt cctaatacaca 120
aaagatatTC ttcaaaaataa cattatcttg caaattttct ctagaaaaca atcatccagc 180

aataataaat gcaaaatccc aggtgcttcc ccacaaatct taatgccatg aatatccctc 240
ctattttcaa cctttctcaa taaagatgta agaccttgag ctaaaattat aaatataaaa 300
aaggagagaag ggatctcctt gccagagatc tcccagggga gataggatca accttgatc 360
gattcactac cactacatac taaacagttt tgacacacat catcatccac tcggtccatt 420
gattgcaaaa tcacaacttg acaaggattg catctagaaa cccagtcaa cgaggtcata 480
ngccttacat atatcaatct 500

<210> 2178
<211> 529
<212> DNA
<213> Glycine max

<400> 2178
tgatggacga atggcctcac tccaagcaac aagaatgttc accgcaggag ctccctaagtt 60
aggctttaga atttcaaggg tgagaaaatt aggccttctt gatgaaaatg ctggtactac 120
aggagatggg ttgattccca accttggtcc tttaaaagct agagttgcag tagaactttt 180
acttgatagg agataacttt tgagcttttt tcttctttc tctcctattt caactactag 240
aaggaggtga gaatctgcaa ccaattcttc tccattggct tccgtgtttg tgagaatcat 300
tcccaccct cctaaacttc tcaccacatc acccttttgc actctaggac taaggcttct 360
atcaciaaatt actatctttc ctgacagcac tttaggatcc aaggctccct ccaagcatat 420
agatcttgga tcaaccctac tagaattgct caccatgtac cacccaaggc attgtttctc 480
aattgatagc acatttttcc atttatagag tgaaactcca atcattttt 529

<210> 2179
<211> 515
<212> DNA
<213> Glycine max

<400> 2179
agcttgatag acctgtaatt cttacacttg ctgggttacc actctcaaca ttgggcaatg 60
cttgctcgta cttaggggct cgacaaaatt atcaccctc acctgtcaag gctaccacc 120
cggacattag acaatcttca acgcaggaca atctcttttg cctgcaagtc ggctcagagc 180
ttggtgtag acaagtggcc tcagaaatct taagaagggg ggggtgaatt aagattatgc 240

taactattcc cccaattaaa acctactcag atttttatgc aagttctaag tttcctttat 300
aacaaattac ttagatgatg aatcaaata gcaaactgaa atgagactaa taaacaacag 360
taaataaag agataaaggg aagagagaat gcaaaaacaa atttatgctg cttcggtcac 420
acccttgctc ctacgtccag tccccagca acccgcttga gagttccact atctttgtac 480
attctttaca agtactgaac accacaagga ctttc 515

<210> 2180
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2180

tctaaacttt atacaagaat ggagctctga taccatttgn taatttattt ttctcagata 60
tcttaagaag ggggattgaa ttaagatata acaaactatt ccctaattaa aaattctatt 120
ttgattttaa cccaaatccc aagattcctt ttaaaatgaa ttcttaaata attattcaaa 180
ttaaacttac tgaatagaag ccatatacaa taagaaataa aagagtttaa gggaagagaa 240
agtgc aaact caattttata ctgggttcgac cacacccttg tgccttcgctc gagtcccaa 300
gcaaccgcgt tgagagtttc actagcttgg aaaaatcctt tacaagctct ttaccacaca 360
agga 364

<210> 2181
<211> 415
<212> DNA
<213> Glycine max

<400> 2181

agcttttggg acaatgaaga agaagaagt caaagagatt ttatgcttgt aaaggattgt 60
aagagattga ttggaagagt attcaagatt gaatgaatta atagaaatg caaaaacaaa 120
gtcttgcttt tatagactct tcatgtctgg tcaagaagac catttagaag agttataaca 180
tttagaaaag cttaaaacca atttgaaaa gtcaaaaacc ttttgaagag ttacatcttt 240
tgatttattc agaaacagtc actggtaatc aattactaaa tcagtgtaat cgattacaca 300
aagcttttat gtgaaaagat gtgactcttc acatttgaat ttgaatttca acgttcaaag 360
gcactggtaa tcaattacca aaacattgta atcgattaca gctttttgaa attaa 415

<210> 2182
 <211> 554
 <212> DNA
 <213> Glycine max

<400> 2182
 gctgcatgca tgctatcttg ccattgatag gtccacgaat cttgggaaac catttacctc 60
 aaatcctctg cctcacacct ccgaactcgc aatcggagtt atgaggccct ccctttcgta 120
 tgatgcatcc tttttagtaa cctttcgctt gaaccatgtg aatcactatc gccccatctt 180
 gtgtacaacc aacttagggc tgctgatgt acttcttcca ctttgtaaga gaggcctcca 240
 cagaatcact ttcagcactg caacatttcc gcgatttctt gtttctgcgg ccattccgaa 300
 accaacaat aaacagaaac atgttgcgac ttgcaactta ctttcttcaa taaaacgttg 360
 gctaacgtct cagactcgac acaatcacat attgaaacat aacggaagca taacaaaacg 420
 gagcttatgc agctaccaca aattgattat aacaaatagc gcgtaattg agactataaa 480
 gaatatttac attgtccttc aatcaatcat aaactatcct gtgtgacaat ccatgaaaaa 540
 taaatttgac tgaa 554

<210> 2183
 <211> 615
 <212> DNA
 <213> Glycine max

<400> 2183
 tttatgagtg gccaatatac caaatcaac atttttttaa cttaaagttt tgttttatct 60
 tctttttaat gtaaaaatgt gtaaaactag ttgacactcc tctgtaattg gtttggatag 120
 gatgttaagt acatgtaagg actattagta gcaaaatttc atcttggtgt tcaagtctaa 180
 attataagca atcataagtt tacaattatt caactagttt ttaagtgtta ggagaatcta 240
 cgtgaaaaag atcatccaca tcaaataaaa ttttagtaac atcaaaagag aatcaaattt 300
 atatccacaa aaaagataag agtcattttt agatttttat taatttgtat cgacctgtct 360
 tgttataaaa atttaaaata gttctttttt taattatttt atacttaata gttcttatta 420
 aaattaaaag atttatcata tagacagtat aataatttgt gaataaataa tataaaaaag 480
 taaataaatt atataataat cataattata atatataata aacttattga attttaaata 540

attaaatatg cacactgaaa tttgattaat agtcaacata atttctcatat acataaaaatt 600
 615
 aaaaacataa aaaat

<210> 2184
 <211> 605
 <212> DNA
 <213> Glycine max

<400> 2184
 agcttcagga acacaaaatg gaactcatga gactaaatct tcatgaagaa aatgacaaga 60
 aaaagaaagg aatgacactt aaagttttat cttcagttca agaagaaagt gataaagaag 120
 acttgaatga agtagaagag atgatgattt cagtttcttc gtaaagagat taaalaaatt 180
 cctaagaaac aaagaaaatc aaagaagatc aaacttcaaa ccaaagaaaa gaggagagga 240
 ttcattctttt gttccaaagt gttatgaatg taaccaacca ggacatctga gagttgatta 300
 cccgagtttc aagaaaagaa tggaaagatc taagaggaaa actttcaatg ataagaaagc 360
 aaataaagct tacatcactt gggaatataa caatatggat tcatccgaag actcagaaaa 420
 tgaagtcag aatctaagtc ttatggcaaa aaaatatgaa agcgaagaag aggtaacatc 480
 ttctaacaat aacttatcta tttcctttga tgaacttcaa gatgcattca ctgatttaca 540
 taaagaatca gtcaaacttg caaaacttgt ttcattttcc aagaaaacta ttttaaactt 600
 605
 agaaa

<210> 2185
 <211> 467
 <212> DNA
 <213> Glycine max

<400> 2185
 ctacctgcat gcatgcttca caattatgaa ctctagctca ctatagaatt ttcattatat 60
 gattcattat agtttactgc tctatgtaca ttctttctaa ctatttctag catttttccc 120
 ccgttcaaaa tcatcattcc tggtttgatg ctctacaaca tctcatgtta aagtctcttt 180
 gaactatcca taacatatga tgatgtacaa ttccccatc ccacgcaaag tcatctatta 240
 taactttaga tgaactcatt gtcaatgacg taattgaaag tccatatttt ccattcttaa 300
 tggatagaga acaacatatt aaaggcagtg gtgatcttcg tagctgctcc aacaacactg 360

aaactgacat tctctctatt tctaataccaa gcattgataa agtaattaca tcaagtccag 420
 atgcaagatt tgttaaaaaa aggcgacatc gttgcttgga ggtaaca 467

<210> 2186
 <211> 509
 <212> DNA
 <213> Glycine max

<400> 2186
 ggtcggattt atcgtgaggc tctttgatag aagtctgtca gtgggggtcga tttttgagca 60
 taaccaatc cctatttgg taattaacgt cacagtgtcg agtatctgcg tgttggttca 120
 ttaaagcctg ggccttgatc agcttctttt agatgtagtt gaagttgtct tccctatggg 180
 ccaatattgc atcgacgaca gcaacgtttg aagttcctat tccgggaaat taaaaggctt 240
 atggacaaac attatttcat atggtgtagt gtcggtgccg acattccacg aggtattata 300
 cgaacactcg acccaaggga gtaatttgtg ttatgtcccc ggtcatcggt gaacaaaagt 360
 gcacagatac tgttcaacga cgcgattcag aactttgggt tggctgtcac tttgcagttg 420
 ataagctgag ctcacgcga attttgtacc actcaatcaa aaaattcttg ccaaaagtga 480
 ctgacaaaga gtaggtcaca aatcgagac 509

<210> 2187
 <211> 563
 <212> DNA
 <213> Glycine max

<400> 2187
 agctttgagg agcccgaag gtaatctgga aaggagaatg ttttgtgtcc aaatattatc 60
 tcgtaagggtg tggagcctgt gctactattc cacgaagtgt tatgggataa ctcaaccac 120
 ggcaataact tgcccatgt ttctggccaa cgatgcacaa aggcacgcaa atattgttca 180
 attaccctgt tcattacctc tacctgacca tcaactctgag gatggtaggc agaactcatt 240
 cgaagatgag tgccactcag tctaaagagc tctttctaga agccgctgat gaataaggga 300
 tcatggactg aaactaagct tctgggaatg ccgtggagtt tgacaacaat gtcaatgaac 360
 aacaaaggta ccatgtgagc tgtatgagcc tgagggtataa tgccgaagtg aatccccctt 420
 gaaaagcggg caacaaccac aaggagtaca atcttgccct gaaaaaagg aagaccaatg 480

acgaaatcaa gggagaggtc ctcccatggt ctgaatggaa ctggaagagg gcacaacaag 540
 563
 cccacaatat gtttcgtttc ata

<210> 2188
 <211> 541
 <212> DNA
 <213> Glycine max

<400> 2188
 agctttagg gttaaagtct cacgattgtc acgtgttgat gcaacaattg ttagccgtgg 60
 ctatacgaga catcttgcca aacaaagtca ggtagccat aactcgcttg tgttttttct 120
 tccatgtcat atgtaacaaa gtcgttgatc ctgtcaagct ttagtcaaac agaaaaatcc 180
 aaaaatgtca aagaattggg tgttgaaaaa gcataacaag actttctgtg attggattaa 240
 agatacaatc ttgcagatg aaaatgcttc agaaacatta agaaatctag tagatgggcc 300
 taaaagaaat gttattactt ggcaaggata cgacataaac aagtattcat ttacacaag 360
 agcacaagac gataaaagta caatgcacaa tagtggggtc accctaaggg ctgaatctca 420
 acaacttgca agtgtgcatg atgtcaatcc ctatgtagct tccatccctt actttgggtt 480
 cattcatgaa atttgggagc ttaactatgg gaaatctact gtttggcttt ccaaaggaaa 540
 541
 t

<210> 2189
 <211> 551
 <212> DNA
 <213> Glycine max

<400> 2189
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 atgagacatc ttgcgaaaca aagtcagggt agccatgact cgctgtgct ttttcttcca 120
 tgccatatgt agcaaagtcg ttgatectgt caagtttgat gagcagtga atgaggctgc 180
 aattatactg tgccagttgg agatgtattt tccccctgct ttctttgaca taatgattca 240
 cttgattgtg cagtggatgt acccggttga gcgatacatg aagatcttaa aagggtatac 300
 aaagaatcaa tatcgtctag aagcatctat tgttgagagg tacattgtag aagaagccat 360
 tgaattttgt ttagaataca ttgagaaggc taaacctgtt gaccttctg agtctcgaca 420

tgatgacgga gtgggtgga atggttcaag aggactgcat gtgatcactc caagtctaga 480
 agatttgta caagctcact tgtttgtctt gaacaacaat aatgaaagtt tgccatacat 540
 acttaagcat g 551

<210> 2190
 <211> 530
 <212> DNA
 <213> Glycine max

<400> 2190
 agctttgatg tttgtgttga atgcattaaa ggtaaacaga ttcataagca agaaattagg 60
 tgcatataga gctacagacg tgttgaaatt gatacatata aacatttggt ggtcatttcg 120
 tacaccttta tggaatgggc accaatatct tatatcattc atagacgatt actctagata 180
 tgcatacctg tttcttatac atgaaaagtc acaatctctg gatgtgttca aaaaatttaa 240
 agttgaagtt gaaaatcaaa tcaacaaaag aatcaagagt gtcagatctg accgtgggtg 300
 agaatactat ggaagatatg atgggttcagg tgaacagcgt ccggggcctt ttgccaagta 360
 cctagaggaa tgtggaatcg tcccacagta caccatgttg gggtcaccta acatgaatga 420
 tgtggttgaa aggcgaaaca aaactcttaa ggatatgata agaagaatga tttgtcattc 480
 caacttacta gagtcactct ggggagagac actaaagact gtagcttaca 530

<210> 2191
 <211> 554
 <212> DNA
 <213> Glycine max

<400> 2191
 tgtagggta aagtctcacg attgtcacgt actcatgcaa caattgttag ccgtggctat 60
 acgagacatc ttgccaaaca aagtcaggtt agccataact cgcctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatcctgt caagtttgat gagttggaaa atgaggccgc 180
 aattatactg tgctagttgg agatgtatct tccccctgct ttctttgaca tcatgattca 240
 cttgattgtg catctagtca gagaaatcaa atgttggtg cctgtttatc tacggtggat 300
 gtacccagtt gagcgatata tgaagatctt aaaatgggtat acaaagaatc tttatcgacc 360
 agaagcatct attgttgaga ggtacattgc agaagaaacc attgaatttt gttcaaaata 420

cattgagaag gctaaacctg ttggccttcc tgagtctcag catgatgaca aagtgggagg 480
gaaggggttca agatgactgc atgtgatcac tccaagtga gaacattttg ttacaagctc 540
acttgatatgt cttg 554

<210> 2192
<211> 571
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2192

ttaaccatga tgatcaatct atgatgaaga ttqcatgatc cttatgcac ttattctcat 60
gagaaatgta gaaaaatccc ctttgttgac tcttaaaagt gatttcagaa ggtaagggtc 120
ataaaatgag ttacaaaaga gaaaaaaca agatatggta cttatagatt ttaactaata 180
taattgtaat aatcgattac caaaacttgt aattgattaa ttcaatcaa tacccttagt 240
tttacatttc tagaattgtg ctaatcgatt atcttgatca agaaagaaca aacataactc 300
ttttagaagc aatgtaatca attatgatat ttgataatca attatttcaa cttccagaaa 360
gcttcctaaa tttttcaaag gcaatgtaat tgattacaag aaatgataat tgattatctt 420
gatgtacaaa gccttccttc ttcttgatta tcttgatttg caatatattat tggttgttag 480
gaaatgatgt aaaccattt gcacaagggg tgaggatgga tctttaaagg nttctttttt 540
tacttgatg aaaatttaaa aatggaatgg a 571

<210> 2193
<211> 509
<212> DNA
<213> Glycine max

<400> 2193

agctttgatg gtgttgagaa gaaatcacat gtttgttatt tcaaaaaggg ggagaatgtg 60
aatgtatgta tacatgattt tgatgatgac aaaagaagaa tcaacaagg ctcattttgc 120
ttcaagatta atacaagatt gtttcaaca acaaagcctt gattcaatat ttcttcaaga 180
tcaagccttg cctcaaagt tagagatttc aagtcacca aggcacatgt aatcgattac 240
caatacatgt aatcgattac caaggcacat gaaagtgtgt aattgattac acatcatatg 300

taatcgatta ccagagactc tgaacgttgg gaattcaaata tataactgtg taatcgatta 360
 cacaaacatt gtaatcgatt accagttgaa agttttcaga aaatctgcc aacgtcacat 420
 cttttcatta gatttgtgaa tggccatcaa aggcctatta ataggtgact tgggcacgaa 480
 ttttatgcag aaagttttgc ttgcaaaaa 509

<210> 2194
 <211> 484
 <212> DNA
 <213> Glycine max

<400> 2194
 ttgatagatt gcaagtgtat aattagttaa gaaaactata tgagggaagt tttacccaaa 60
 tcatttttgt atggcaataa tgctgcagtc ctatgcttaa tctccttaca ctaatctcct 120
 tacacctaaa catgtacata aaaaaatgat ttgatcaggt aaaaggagga acattgagag 180
 cttctgattc attccctact ggtcgacatc tagttgagtt atgggctcca aattcccaaa 240
 agcttccaaa aacatcagtt ttgaacagca taaaacttca gcaacctaatt ggcatttact 300
 atgaagacat aacatttagg gacatcctct ttgattctag ctacaagggt ggagggatat 360
 tcattgttga ttctgttaga acaaggatca acaactgctt tttcttgcat ttcaccacag 420
 aagggattct agtccaaagt ggccatgaga ctttcataac aagcagtttc cttgggcagc 480
 actc 484

<210> 2195
 <211> 498
 <212> DNA
 <213> Glycine max

<400> 2195
 tgaatcggac atccgtgtga aaagttatga ccattttaat ttcccgagag cttccatttt 60
 tcattttcga gcgtctctat atgtgaccga atcgatatac cttgtgtaaa gttatgacca 120
 tttaaatttc gtgagagttt ccgatgttta attttgagcg tatcgatata ttataagcct 180
 gaatcggaca tccgtgtgaa aagttatgac catttgaatt tctcaagagc tttcgttggt 240
 caatttcgag cttgtcgaca tattatgcgc tcgaatcggga catctgtgtg aaacgttatg 300
 accatttgaa tttctagaga gtttccgatg ttttaatttcg agcgtatcga tatattataa 360

acctgaatcg gacctcagtg tgaaaagtta tgactatattg catttcgcga gagtttccga 420
 tgtttaattt tcagccgatc gatataattat tagcctgaat cggacattcg tgtgaaaagt 480
 tatgaccatt tgaatttc 498

<210> 2196
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2196

tgaaggaaaa ctagatgcat tggttaactt ggtaaccag ctggccttga atcagaaatt 60
 tgtacctgtc gcaagagtct gtggtttgtg ctctctgca gaccaccata cagacctttg 120
 cctttccatg tagcaacctg gagcaaatga gcagcccgaa gcttatgttg caaacattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacaa cagaacaatt atgacctctt 240
 cagcaacaga tacaacctg gatggaggaa tcacctaat ctcatgtgt ctagccctca 300
 gcaacaacaa cagcagcctg ctcttctctt caaaaatgtt gttggcccaa gcataccata 360
 catttctcca ccaatccaac aacagcaaca gccctagaaa cagccaacag ttgaggctcc 420
 tccacaacct tcctcgaag aacttgtgag gcaaatgacc attcagaaca tgcaatntca 480
 acaag 485

<210> 2197
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 2197

ttgtttaagt ctatgtagtc aatacacatt ttccacttcc cattagactt tttcaccatt 60
 accacgttag ccaaccactt ggtatactac acctctctaa tgaaagcaac acttagtagt 120
 ttctttgctt cttcatctac cgcctttcct ctctcagggt gagcttcttc tttctttggg 180
 caatgggttt agcctctggg cagctgaata acttgtgata gtggaaattt gagtcaattc 240
 ctggcatatc tgatgcagac catgcaaata ggccgacgtt ggctggtatc actcaggcca 300
 ctaactcttc tactttttta ctctcatcaa acacctaagt ttgggttaact ctgagggatc 360
 tttgtcgagt tggaatagtt tgacttcttt ttttggett gctctctggt ctgcttctca 420

tggatcgagt tcagactcta ctaggctttt tattaagaga ggtgcatgct

470

<210> 2198
<211> 477
<212> DNA
<213> Glycine max

<400> 2198

tgagttggtg tgtgctgtaa aagatgttcc tctaacttaa cattctgtat taccacgtgt 60
tatctcacag actttgactg cagttatggg caaactaatc catggetctc tgcttctggg 120
tacagattac agattacacc tgtttctggt ccttccatta attgctgaag ggctatttct 180
actcactaat ttcctttgat taagttttat aaatttgaat ttttaacaatt aaatttaattg 240
tatttcgaaa tgagtacatt ttaataacaa taagaataat gatataattag taataaaatt 300
tcttaactta atattattta ttttcaaata tatatatata tatatatata tatatatata 360
tatatatata tatatatata taaaataaaa tatgtcatta gtttaatat accttttaaa 420
ttttataatg taagtatata ttggctaata taaaacgtta acgaaattaa ctaattt 477

<210> 2199
<211> 352
<212> DNA
<213> Glycine max

<400> 2199

agcttatcta ccttactata acaaggccat atattttctt ttgttttaga agggtgagtc 60
aattcatgca gactgggtcat tgtgatcatt gggatgcaga aatccgaatt ttgagatata 120
ttacacggac cccaggaccg tgactactct atgaagacca aggaaacact cacatagttg 180
gattgtgcga tgctaattgg gaaggatcac ctattgatag gcgtactatt tcaggatcta 240
gtgtgaatat tgtagaaat atcgtttctt ggaagagtga aacacaaaca gttgttgcac 300
cgctatttca aaggctgaaa taaagctgag gctgaagcca catgtagagc cg 352

<210> 2200
<211> 472
<212> DNA
<213> Glycine max

<400> 2200

agcttatcta cctcactatt acaaggccag atatttctct ttgcatttgg agtggtgagt 60
 caattcatgc agtctcctca taatgatcat tgggatgcag taattcgaat tttgagatac 120
 attaaaagga ccccaggaca aggactactc tatgaagaca aaggaaacac tcaaatagtt 180
 ggattttgcg atgcagattg ggtaggatca cctattgata ggcgttctat ttcaggatat 240
 agtgtgtcta ttggaagaaa tcttgtctca tggaagagta agaagcaaaa tgttgttgca 300
 aggtctagtt caaaggctga atataagct atggctgtaa ccacatgtga gctgatttgg 360
 attaaacaac ttcttcaaga attgaagttt ggaaatatc aacaaatgaa gctatgttgt 420
 gataatcatg cagccctaca ttagcttcta atccagtatt tcatgagaga ac 472

<210> 2201
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2201

tatgctacat tagcggngcc actaactgat ttgttaaaaa aagaagcatt atgttggacc 60
 aatgccaccg agcaggcctt catcaaattg aaacatgccca ttacatcaac ccctgtattg 120
 gcactgcctg actttactca gccttttgtg ttagaaacag atgaatttga aattggagta 180
 gaggtgtgtg tgagtcagaa tggccaccca attgcatact tctccaagaa attgctccct 240
 agaatgcaaa aacaatttgc ttacactagg gagtttattc actgtaacag cagcattggc 300
 taaattcggg cattatttgt tgggctagaa atttgtcata aaaaaaattg aaaagtttga 360
 aaagtctctt ggatcaatcg ctacaaactc ttgaacaaca agcatgtttt cataaattca 420
 ttggttatga ttntcgaatt gaatacaagc caggtaagga taatgtccca gctgatgctc 480
 tttcccgagt gttctttat 499

<210> 2202
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 2202

tgtgaagaaa atggaggaat ggttcaggga taacggggca gagtatgcat atatggctac 60

ggagaaggac aacgttgcat ccgtaagtt gttcacccgac aaatgtgggt actcaaagtt 120
 tcgtaccccc tgcattctcg cgaatcctgt tttctcgcat cctgctagaa tctctcacia 180
 agtgactatc attgaactct ctccgagcga tgccgaaata ctctaccgca gcaagttttc 240
 cacaacggag ttcttcccgc gcgacgtaga ctccgttctc cgtaataagc tctccttagg 300
 cacttttctt gccgtcccca aaggcttgta ccgggctgac acgtggcccg gctcaaccgg 360
 ctttcttgag ggtccaccac cctgttcttg ggccttagtc agtgtgtgga actgca 416

<210> 2203
 <211> 570
 <212> DNA
 <213> Glycine max

<400> 2203
 agctttcacc tcattcatct gtagaattat atttgataac atacatgaat tgcttcagcc 60
 aatgccatgc tacaagttac acattttcaa gatatcatta caaaatttta acttgtagg 120
 attttaatct atatataaat ataaaatcac caagagaata aattaaaaat aaaagcagat 180
 gtttgcaggc aatctagctg ctgatactaa tacattatgt taagaaatca gggaaaatca 240
 tagtaagcat aattcgacaa ggatctgcca tgtattacac tccatacctt gtattagata 300
 agcaaagaaa attaatcttg actgggtatc tgatctaggg caaaaacaac tgcaactttt 360
 atttcacatg aacaagtgtt aaactaaagc tgagttagct taaaccacaa aagtagtaga 420
 ccttggttgt aaggtaggca ggtgaaaatt tgcactatga agattcaaca gcataacttt 480
 ctatggtaat ttttcaatgc ccatacatc tccatatagg agatatacta atttatttga 540
 tggaaaaata gtaaaactat gtgttggtg 570

<210> 2204
 <211> 162
 <212> DNA
 <213> Glycine max

<400> 2204
 tctcgatata ttatgcgctt gaatctgac ttcgtgtgaa aagttatgtt tatttgaatt 60
 tctcgagagc ttccggtgtt caatttcgag cgtctcgac tttcatgcgc ctgaatcggg 120
 cattcgagtg aaaagctatg accatttgaa tttgtcgata gc 162

<210> 2205
 <211> 558
 <212> DNA
 <213> Glycine max

<400> 2205

agctttctta cagtacttcc tgcaccatct gtaccaataa tgatggttaca gtgaatgttc 60
 tgttctacac gcttcccttt aatgatagaa gatgcagtta ctgttacaaa gtcattgctg 120
 gcatcaatgg aaacacactc atggcccatc attatTTTTT tctcacaaga ctgttcattt 180
 ccttccaaac tttcaggcgc acatatttgg aagcctaggt tttcaagtcg cttgagtagt 240
 aacatagtta gcttgtactg cgagaagtgt gcaacagaga cggggtgac aaaatgctca 300
 agatctgata acaagtacaa gatatatgaa tattctaaaa ctcaatattg tccaaaacga 360
 acaatatcat gcagtctatg tgttgatata ctgcatattt tgaaggctat gtataaatat 420
 tgtcaaaact acacttgaaa tagaaatctt cctattgcta tcagactgga aattggctct 480
 catgaactac agaatagcac cttgaggttg tatgtgatca accgatccaa gaattgaacc 540
 agagagggaa gttcaata 558

<210> 2206
 <211> 561
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2206

tacacaatca atcaactgtt ggaatatctt cctacctaca gcttctttta gtttaccttt 60
 ggatgcctgt gaagacaaat agttcattga ttgtcattgc caattaggca atagatcatc 120
 atgtatgtat tatgaataat aaacaagcaa atgctcctta caattttgtc aaataactct 180
 cctccattca catactcaag taccatataa attttgggtt tgctagccaa gacctgcata 240
 attacaggta caaatcataa tcagaacatc aaggtttcat agagtcaagc tgctttgtaa 300
 atgcaataaa tcactttatt gttctacaat ctgaggtttg aagctgtag agatgtgaca 360
 aatcattcac atgtcttaca cctattagtt taaacatttg tgtctcaata ttcttctact 420
 aaaaagctga atagtaatac aagacaaatg ttcttgtgca atatttacgt ttaagccta 480
 aacccttcgt gtaaagggtg taatatataa tataaaatca ttcattgtgt tctactangc 540

agattaatct tttggaatat a

<210> 2207
 <211> 526
 <212> DNA
 <213> Glycine max

<400> 2207

agcttgtag cgtttcttct tcattcttca aataagacaa ttctatgatt ttttatgagt 60
 tctgttagtc caatacttgt aatcattgta tgtggcacia ccgaaatcat tgtgttaa 120
 tatctaagt ttgaattttt aaacttataa cctctggtaa caaacctctc aattcttggt 180
 gcagttcata aaccatctca tcaatttggg tgccaggcat cagtaaaaaa agatagcttg 240
 ccaattggaa aagaagcaat gcttggagca ttttcgttac tcaagggttat tgagtctgag 300
 ctacaagcat acttgcttac aactgagggg cgagtgggtat gtatccttag aatttcccat 360
 tgcacttttt ctttaatttt gtatgattct ttggtcattg ctcttatttt atttcaata 420
 ttcaacttgc ttgttctct ttaatttgtc tgattatttt ttcacttggg tactcatgga 480
 gtgaatacta attttctaga cccctttaac ttttttttaa gtgggg 526

<210> 2208
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 2208

tcttctgctc aacagtatat gccgttcatg gctccttttc catactatta ttctccaatg 60
 ccttatgtgc caaatgctgg aatccaagcc accattgctc cttcagctcc ttctcaagcc 120
 aacatagcta ctgctagttc agcaccttca aacagatgga atccggattc tagtgcattc 180
 caccatgtca ccaatgtttc tcaaaatata cagcaattaa caccttttga agggtcagac 240
 cagataaacac ttggtaatgg acagctcctt gacattaact ccacaggtct aacttcattt 300
 caatctcctt taaacctac gtttctcta attcttagca atttgctata tgttcttca 360
 attactaaaa ttcttattag tgtgagttag ttttgtaagg ataactaat ttattttg 418

<210> 2209
 <211> 497

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2209

tcagcaatta caccttggaac atttcaccaa tatgaattag tattagtttt ttggattagn 60
gaggaattac cttagaaact tcatcaacaa cttcgttgga gattttgggt cctccaaatg 120
aattgatgat atttccaaag tcattaaggc catggagatt ccattcccaa tagcaccaac 180
agaccccata aacatcaaaa aatgatccaa aggatcatca tatgagaaaa gcttctataa 240
gggcactggt tttgcagatt catctttggc ctcactgttc tttgagtctt tcttgctggt 300
aggatctcca ttcaagtcaa taccctctgc cattttcttc attgaagact ttacacaccc 360
ttatactaata tagtaatcac tgtaaacgga aaaaacctgc agaaaatgca ttacagggtc 420
aagttagtaa cacacaagat tgtgctcttc aaagcgtaac ctcatagtga aatttcattt 480
ttttcttctt cttggat 497

<210> 2210
<211> 584
<212> DNA
<213> Glycine max

<400> 2210

agcttgaagg tgcgtaaccc accatttttt catagtaaaa cactggtaat gggctacta 60
ttattatgat cattttcttc tccatcattg gaggtgccac ttgagctgcc aagtctctcc 120
atcttttaggc gtattctttg aaagatttgt gccccttttt acccatgttc tttagttgca 180
tcctatccgg agccatatca gaattgtact gatattgcct aacgaaggca accattatgt 240
ccttccaaga atggactagg gaaggttcca agttagtgtt ccagggtgaca gctaccctag 300
taagactttc ttggaagaaa tgtatcagaa gtttctcatt ttttgcgat gccccatct 360
tctgacaata catctttaga tggttcttgg ggcaagtagt cctcttgtag ttgtcaaagt 420
ctggcacctt gaacttggga ggcgtgacaa aattgggtac taggaacaac tcttctatgt 480
tagcaaaggc ataattctctg cctcctttta tggcattgag cctttctctt agatgatcca 540
actttcccat tttttccata gcatgaagggt tttacttgct gtgg 584

<210> 2211

<211> 572
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2211

tgaaggtgtg tagcccacca tcttttcata gtagaatact ggtaatgtgt ctactatcat 60
 tgntattatt tttttctccg tcattgaggt gccacttgag ctgccaggtc tctccacctt 120
 tgggcgtatt cttttgaaag attcgtgccc cccttttgca catgttctgt agttgcatcc 180
 tatctgaaga cattatactg aactgccta acgaaggcaa ccactaggtc cttccaagaa 240
 tggactcggg aaggttccaa gttagtgtac caggtaacag ctaccccagt aagactttct 300
 tgggaaggaat gtataagcaa ttctcatct tttgcgtatg cctccatctt ctgalaatac 360
 atcttttagat gggtcttggg gcaagtagtc cccttgtagt tgtcaaagtc cagcaccttg 420
 aatttgggag ggtgatgat attgggtact aggaacaact ctcttaggtt agcaaaggca 480
 taatcttcac cttcttcaat ggccctgagc ctttctcta gatgatccaa ctttccatt 540
 tctgccacag catgagggtt tttacttgtc gt 572

<210> 2212
 <211> 559
 <212> DNA
 <213> Glycine max

<400> 2212

tcattaatag caccaaaaac tattccttgc acaaagcttc attagtagca cctaaaacta 60
 tgtcatgaac ataaatttgc acaagcaaca actcattgtt tgatctcttg ataaacagt 120
 ttttgtctta acctcttaca aaagattgct caattaagaa attgctcaac ctttcatacc 180
 aagatataag tgcttggttg aaaccataca gtgccttttc tagcttgtaa acatgattag 240
 gatgtttgaa gtctacagaa cctacaggat tctcaacata tatctctttt tcgatgtata 300
 cattgagaat aacacttttc ccatccattt gatataactt gaaaccata ttacaagcta 360
 aagcgggaat aaccttatag ctttcaacct tgcaactgag gcataagtct catcatagtt 420
 aatgccttcc tcttggttgt atcatttagc aaccaatatg gccttggtcc taactatgat 480
 gcttgatgaa tcaagcttgt ttcgaaacac ccatttggtt ctgattgggt tgtgagaggc 540
 acgtttatgg actaaatcc 559

<210> 2213
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 2213
 tgtaaggatt tgggtgggaa atgatatga gactcaactt ggataccaag cttgtgcttc 60
 aacaattgca acaagaccca ctatccataa tgagagaaca attttttttt aaaaccttgc 120
 atctcgtatg aaatatgttc tctcttttagg tttgggtag gtcagcggat ttactcccaa 180
 ggagccttct caccattaga agatcacctt cttcataggg taaacctctt caatatgctc 240
 atcacccatg gcttcacctt catttccact tgaggaagga gaagaagtag cctcctcttg 300
 gctactatag atgtcttgac cctcataat catgggtttt tttgtggggg tattgagaag 360
 caatggggcc tttcccaata catttaaagc acttaatgct actagcacta tcttaagaac 420
 tagcccgttg gagtgatttc ctctctgcat ataccctta 459

<210> 2214
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2214
 tatgctgcaa acatttacia tagacctct caacctcagc agcatattca accacaacag 60
 aacaattatg acctctccag caacagatac aatcccggat ggaggaatca ccctaatttc 120
 agattgtcta gccctcaaca acaacaatag cagcttgctc cttccttcca aaatgctgct 180
 ggccaagca gaccatacgt tctccacca atccagtaat cgcaacagcc ccagaaacaa 240
 caaacagttg aggctcctcc acaaccttcc cttgaagaac ttgtgaggca aatgactatg 300
 caaaacatgc agtttcaaca agagaccaga gcctccattc agagcttaac taatcaaagt 360
 ggacaattgg ctacacagtt aaatcaacaa cagtcccaga attctgacag attaccttct 420
 caatctgtcc aaaaatccan aaatgtgagt gccattacat tgaagtcggg aaagcagtg 480
 caaggacttt aaccagcaac 500

<210> 2215

<211> 442
 <212> DNA
 <213> Glycine max

<400> 2215

agcttgctg gctctatcca tatttgaagc agagtatttc tctgctggag gatgttgagc 60
 tcatatcttt tggatgaaac aacaactaga ggatttcggt atctttcttg atcacattcc 120
 tttgatatgt gacaacacac gtgcaataaa cttgaccaa aatcttgtca tgcattctag 180
 aactaagcct ataaaaataa gacatcattt cattagatat catgtgctta aaggagattg 240
 tggtatagta tttgtagata caaccaacca actagttgac atctttacaa aacccttgtc 300
 tagggataga tttataaaat aggacatcat ttcattatat atcatgtgct taaaggagat 360
 tgtgttatag tatgtgtaga tacaaccaac caactagcta acatctttac aaaacccttg 420
 tctagggata gattctactc ca 442

<210> 2216
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2216

tcattggattt ctttctacaa ttatatcgga taaggatgca atttttctca tcagttntng 60
 gagggagatg tttaaattgg ctagaactag tcctaagcat agcacttctt atcatcccca 120
 aacggatggt caaaccgaag ttgctaactg gtgcttagag acctatctta ggtgctttgc 180
 tggccctaag cccaagactt ggttgaattg gttgcattgg gctgagttct ggtttaacag 240
 taactacaat atctttgctg gaatgacacc ttttaaacct ttatatggac gagatcctcc 300
 attgttgatt aagagctgca ccattccatc aaagtggat gatgtaaate agttggccca 360
 acaacgagat gatttgcttg cggaattgag acaaaaattg ttgaaatctt aagacccgat 420
 g 421

<210> 2217
 <211> 628
 <212> DNA
 <213> Glycine max

<400> 2217

actaagcttc cccggggcca tttctgcga aggcaaacat ttggaaagtt agttttaccc 60
 gtgggacact actcttaaaa caaaaatggc atacaacctc ctcccatata taaaaacatc 120
 aatgtaaatt tagagcaagc ttatgcgcat atttccttac gaacgttcac ttgcacaaga 180
 cattctatta actaagaaaa atgcacccat atacaatcaa ggcagcttcg ttacctagat 240
 tatttacatg tacttccaag gtgtatttgt tacttacatc acacacatct ccttggctaa 300
 atttacatac atgcatactc aaagcatttt ggggtaccaa aaattgcaca tgtgcacatc 360
 ttggaatttc taatacctat acatacacia acttcatgat gaatcttgac tatctacaat 420
 aaggcgctac atttcttgtc cttttcaaat ttttctacc taaagccgca tgcaaattca 480
 agtatatttt cctttgctga ctaaaattgt attcaaatta aaaggatat atttttttgg 540
 tatgtatttt ctttacataa catgcaacaa atttatatat atattttttt gggagaccat 600
 ttgactacca aaaattacat gcacatac 628

<210> 2218
 <211> 644
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2218

ntacaagtta gggtcactta taatttaact cattgatttg ccgagaaaac ttatgaatta 60
 acgagagtgt gtaatgattt ttttttttgt cttgtatgaa catccttttag taaaatgaac 120
 atttctctct atatgattaa ctttggattt tgagtcatac cttatccaaa actagacata 180
 catgactttt tatacaggta aagtttataa aattttgtta tctaataagt ataagttatg 240
 caatagtttt ataaatactc tataaaagga aaaaaaatga aaacttgagt attaataata 300
 atttataatc cgataaatat atttatgtat aaatttggtt tgggttggat tagattgaat 360
 tttaaaatca aatccaaaat ctgattttat ccaaaacaaa tgggtttatt aaattttaat 420
 ttgttcgact attggtttat ttgattttca gttttttgct tgatttatc ataaagttat 480
 ttgataaaat tagtttatga acattcctaa gaaaaccgat aaagtaaaga catcanatgt 540
 acaattaagt ctattaacta gtaaagtacg ctttttgtga caaatctaca gtgttaaaca 600
 ttcggagatt aatatgtata gtacattctt ttgcctatga ttct 644

<210> 2219
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 2219

agcttgcaact gcccaaagtg gacaaccttc cagaaaaagt tgattctcac cattgatgtc 60
 ccttatgatg tcgttcagta tctcaaaaaa gcctacgatg atttgaaga acccttgacc 120
 tgttttctca aatcttccaa agttgattgg catttctatg acccatatat gttacagtta 180
 ccaaaaaggt tcaaagagaa aaccaaattg tgtggaatag taagccccgg ttgggcacca 240
 tagttgaayg tattgagcca caaggcagtt ggtgggggtt tgactcactc tggttggacc 300
 tctgtgggtg aggttgttta gaacgaaaaa cctctagttt tgtaaatgct tcttgatac 360
 catggatt 368

<210> 2220
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 2220

taacacctct cattcttatt actttttcaa tattgaaaaa gtaataagaa tgaaaaatga 60
 aaaggtcgtc ttattcaaaa cccaaccaa ttatgaaatc ccctatctcc cacttcacac 120
 ctcggaacgc accgtttctta tagagagagg cgctttcaca tcttcttagg ctggggagag 180
 gaaatgttcc catttttttag gatactccgg ggaacagata tccagtggag atgacggggt 240
 ggggcctgta cctcatagga ttaaagcacg tggctacgaa ccacg 285

<210> 2221
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 2221

atacgataaa taacggtgct attaggagct actataccta ttgctcaaca agatattaag 60
 aaaaatttgg cttattccac actgtctcaa ttgggttata tgatgttagc tctcggtatg 120
 ggatcttata gagccgctac atgctttttg aatactcacg cttattcttt gacatggtag 180

aattattgtg agtgcacaaa ttatttcaca aactatttag ctgcattata tatacaaaaac 240
 ttgaatttat gactactaat taaagttcga ataatttggc cacaattaat tcaatcattt 300
 tggtttttat aattcgttat ctggctgact ttacgtacaa atgttattta ccacctatct 360
 gatccaattt aagtctacct ac 382

<210> 2222
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2222

ccgcttaagg ttatgcgng gtttggcggg tgttctggag tggcagtgag tgtgtttatt 60
 ggaattggaa gggttcgggc gagttcgagt tcttcttctt ctgaggagga ggaggaggca 120
 gtgagtgtgc agtcaaaaagt gactcaaaaa gtatacttcg acgtgagtat tggaaatcca 180
 gttgggaagt ttgtgggacg gattgtgatt ggactgtacg gcgacgatgt cccccaacg 240
 gctgagaact tccgtgccct ttgtactggc gagaagggct ttggatataa gggttctacc 300
 gtccatcgtg tcatcaagga ttcatgatt caaggaggag actttgacaa aggaaatgta 360
 tgtatgtttt aatgggtgat gctttgcttt ctcatcttcg attcattcta aattccttcc 420
 cttccttgta gggaactgga ggcactagta tatatggctg tactttccaa aatgagaatt 480
 taa 483

<210> 2223
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 2223

agcttatttg aattaatgct cggaatatata tagaaccact ttctattaag atgaactatt 60
 gatattatca gttaaaacaa ctaactaaag aaggataaaa ctgtcatcaa gaaagttttt 120
 tttttttttt tacaaaacac atgcacctt tataagaacc aattttattt gagaaggtaa 180
 aattattatg agtgataaaa ttatttcaca aactatttaa ctcaattata tatacaaaaac 240
 ttgaatttat gactactaat taagtttgaa ataattggca acaattaatt caatcatttt 300
 ggctttttta attcattatc tggttgattt tatgtaaaaa tgtaattcaa tcatatctga 360

tccaatttaa gtcgatctag attggatcga tttttcttat tttaatcata cttttttaga 420
 aaatattaaa taaatgataa 440

<210> 2224
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2224

tgtaagaaga ataacaatat aggagaatgt ttntgggtga ttgataaaga ctatatnta 60
 atcatagggtt aaggagttgt acaactgatg gagatatatt acacttagtt agggatgctt 120
 ttgaaaatga gaatgagata aatgtttatt ttcacatga agtagatcca attttagaag 180
 aagtcaccaca gatgttgtac ttggaatgtg atccaattcc agaagctgtt gagaatgagg 240
 atgatttaga tgatgtacct gttgctggcc atgaggaaac taagttttaa ttcatttgta 300
 cttgggtccga catgggttact ataattaatt aatatgatta atttttactt gatcaccatt 360
 gatgcagatg ttgggtgctgg tgagcatgtt ggtgctggag agcagagaga tgggtggtag 420
 caaagggatg ctgatgctat tgaatagaga gatgggtggtg agcagaggga tactgatgct 480
 ggtgagcaaa aggatgctgg tg 502

<210> 2225
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 2225

tattaaaact aagggtgatg aaactgtttt ctttttagtaa gaccttggtt ttacattcgt 60
 tgacgtattg gtctactgta tttttattat tttttgttca atttttactg atttttttat 120
 cctattttca gctagatgta ttggctattg aatttaattt atggatcttt tttactgttt 180
 gattattgat acttgcatga tagagttttc tatatggggg tgacatatat atcaaacttt 240
 ttgtggcaga gcacaagttg tgggatggcc accaattcga tcttttcgaa agaacacgat 300
 gatggcttat aatttggcaa aatgtgacaa cgaagctgag gagaaatcag gagtaggttg 360
 tctttacgtt aaggtcagca tggatgggtg tccatatctc agaaaggttg atctgaaaac 420

ctacagcaac tatattgaac tttct

<210> 2226
 <211> 504
 <212> DNA
 <213> Glycine max

<400> 2226

tcatccaact gaaacatgga aagaagacag tatataccag acaccgaatg tttttgaaac 60
 cttttcaccg gtatcagcga ttgaagaaag ctcttaatgg aagtcaggag aatgaaagtg 120
 tgccgcaacc attagctaga aatgaagttt atgatcgggt gaaggacatc ataactatct 180
 ttggtaagac ccaaaagtag acgtcatctg agatgaacat atggaagaaa aggtctatat 240
 tctttgatct tccatactgg tctgatctac atgtgcatca ttgcctagac gttatgcatg 300
 tcgagaaaaa tgtttgtgat aatttaattg gtacccttct taacattaaa ggcaagaaaa 360
 atgatgggtt gaaaagtcgt caagacctgg ttgacatagg aatacgagag cagttgcatc 420
 taatatcaca aggtcgttga acatatctgc cccagcatgc cacacaatgt caatagcaga 480
 gaagagaagt ttttgtcaat gtct 504

<210> 2227
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2227

cttcactaca tcaagaatca tcgggttgag tcttctttgt ggctctctta ctggtttagc 60
 cncatcttct aaatttattc gatgcataca tgtggatggg ctaataccag gaatgtctgc 120
 cacgggccag cctatagcct tcttatgctt cttgagaact gataacaact tctcctcttg 180
 ctcatcaaca agggaggcag atataattac tggaaaactt ttgctatcat ccaagtaagc 240
 atattctaca ttgatggca gaggcttcaa ttctgggtgtg gatggctgga tagtggcaga 300
 aagagatggt ttctcancct gtacctcata aagaaagtca gaggtattgt gtacttctga 360
 cacatgcgta tttctatctg actctatana ttcaatctca agagggtaaa catcagcaga 420
 catggtatca ata 433

<210> 2228
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 2228

agcttatctc acttttttct tattatcttc tctagaagc tctggagaaa tttatccaag 60
 catgccctta gtaattatct tgctggaggc ttgcttgcta tacttggcta ttttacttt 120
 tcttttttaa atgtatgatg ataatactaa tcaatgttta cggatgacag gctcacacag 180
 tgcttgagat gaactatact gagcagcaat taacagcagc tgctgtttct gatggattac 240
 ggctgtcct tgctgccgat gacttgggta taccgtcaag attattatca atgattaaaa 300
 aatgctggga tgcagatcct aataacagac ctgcttttga tga 343

<210> 2229
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2229

gcttgatttg atacacacat actgtaatcg attaccagag aagattntca gacaatatcc 60
 tcaacagtca catcttttca ttgtgttctt aaatggccat caaaggctta tatatatgtg 120
 acatgagaca cgaatttgct aagttttttt cagaacaaaa aggtcttctc ctcttaacaa 180
 gcaaaattgt tttatctctt tacaaattcc ttggccaaaa cactcgtgat tcaataagga 240
 attatttgag tgctcaaatt gttcaatcta tctctttcaa gagagatttc ttcttctctt 300
 cttctttatt ctgaagaggg attaagagac cgagggtctc ttgttgtaaa agaattctaa 360
 acacaaagga aggattgtcc ttgtgtgttt agaacttgta aaaggaatct acaagatagt 420
 ggaactctc 429

<210> 2230
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2230

cttagcactt ctgtatgggt tcagggtctt ccatcagctc tgattaatct gccatatact 60

cagccggtat tacgcctcat gagctttctc atatccagct tactggattt agtttgggtg 120
 acttcccttt tagatactta ngtgttcccc tcttatcatc gagattaaat gtatgtcatt 180
 atgtccctt gcttctcaag attactggcc tgacttatgg atggagcaag aagtctttat 240
 cttatgcang taagttagag ttgattagag cacctattca acgaattgtg aatntctgga 300
 tggagattct ctctttgccg ccactgttc tggaccgaat caacgcttcg tgccgtaatt 360
 ttctgt

<210> 2231
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2231

ctgcacaaga ctcttaatat ttgaagagta ttcttgccga accttcaacc gatgaagaca 60
 ctaacaaaaa cttatattct tctttatgga caaagtatgg caagcccggg gcaagcaaat 120
 tttggtgcca tcagaccctg gatgcaactg tgatcgaatc cacatatcag ctagatcttg 180
 atgggtattc aagccatcct tcgtcttgcc ttgaatgtta agaagcgtcc ccatacact 240
 gtcacataca tttttctgca catgcataac atcaatacaa tgtctaactg ctagatcata 300
 ccagtacgga agatcaaaga gnatggacct cttatttcat atgcaactct tac 353

<210> 2232
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2232

ctggtgaata tgtccacgag ttgcatggag gatgagacag gatggagctc tacgagacct 60
 gcggtgactn tgtggcggat aatatggcaa tcgatctcga tatgcttagt gcgttcattg 120
 aaaacgggat ttgttgetat ctgaattgca gactggttgt cacaatacaa ggtggctggc 180
 tgaatgaatg ctacaccaat gtcttgaga atatatgtta gccattgcag ctcacaggta 240
 gtagatgcca gagcttgata ctgacttcg gaggagctgc gggagacagc ggactgcttc 300
 tttgactgcc accaaatgag tgaagaacct agatagacaa ggaaccctgt agtggatgtt 360

tgagaatctt tacatccgc ccaatctgaa tcaactgaaag ctggaagt

408

<210> 2233
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2233

tattcctttc tcatgataag ggatattcta tattacttgg ttgatatgga ccaaccttga 60
gataaacacg tcgtatttca tctctttgat caaaaggaaa ctccacatc attgaacgca 120
atccaggatc ttgctctata ttaataacat ccatacttct tacttcaatt cttctacatt 180
ttaaagggtg tacttcatca aattaaatta acaatcttgt gtgacatttg aagcttgtgg 240
aatacgaata agctgagatg aatcaataat attattgttg tctttcttct ttaagaatga 300
acaaagagtt ttttgagttg acatcttcaa caatacacct gtagtatatt tcttttacia 360
acaaataaac atacaaaata aaagtaanat aataatatat taagttaaga t 411

<210> 2234
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2234

atacaagaat gaagctctga taccacttgt tagacaagtg gtatcagata tcttaagaat 60
ggagggttgaa ttaagatatt acaaactatt tccccaatca aaattatatt tcaactttcta 120
ttcaagttac aaattccctt aacaatgaac tcttaataaa taattcaaat agaacaatct 180
gaatataaat ataaaacaat aataaataaa agagtttaag ggaagagaaa gtgcaaactc 240
agatntatac tggttcgggc acacccttgt gcctacgtct agtccccaaa caaccgctt 300
gagagttcca ctatcttgta naatcctttt acaagttctg aacacataag gacanaccct 360
tctttgtatt cagaattctt ttacaacaag agaccctcgg tctcttaatc ccttagagaa 420
atagaaagaa gagaagaatg aatctctctt gacagagact agatttacia tct 473

<210> 2235
<211> 446

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2235

gctccttaac tgcacaaggc tcttaatat ngaagagtat acttgtggaa ctcttaccg 60
atgaagacac tgacaaaaac ttatcttctc cttnttggac aaagtatggc aggctgnggg 120
caagtaaatt ntcttcccat cagaccttgg atgcaactgt gatcgtatgc ccatatcagc 180
tagatcttga cgggtattca agccatcctt cgtcttgect tgaatgttaa ggagcgtccc 240
aatcacactg tcacaaacat ttttctccac atgaataaag agtttagtcc ncattgagca 300
tttcaagaag agcatggagg gagtgtgtca caattcgggtg aagcagaagc cctttcttgg 360
acaataaaga gtggaatacc canngtagtg gtcttgacta tggcaatgac ttcgtgcaat 420
gtctggagac aaacaacaaa gttcta 446

<210> 2236
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2236

agcttatgct gcanacattt acaatagacc tctcaacct tatcagcaaa atcaaccaca 60
gcagaacaat tatgacctct ccagcaacag atacaacctt ggatggagga atcacccctaa 120
tctcagatgg tctagccctc aacaacaaca acatcagcct gctccttctt tccaaaatgt 180
tgctggccca agcagaccat acattctctc accaatccaa caatagcaac agccccagaa 240
acagccaaca gttgaggccc ctccacaacc ttcctcgaa gaacttgtga ggcaaagtac 300
tatgcagaac atgcagtttc aacaagagac cagagcttcc attcagagct taactaatca 360
gatgggacan atagctacac aatngaata acaacagtcc 400

<210> 2237
<211> 342
<212> DNA
<213> Glycine max

<400> 2237

taaggaagca gctccattga tatcatttaa tttatgcaat gcttaagccc gaataagaga 60

acttgatca caggaaaaga tctaatacaa gtccaattag ggatcatact gattgtggtg 120
 gtaaaactgg cttgaagtag ccatctgggt aatatccaaa ccacgaagtt tcctttggtg 180
 ttaaaacagt gtcgtgctca aactgttaat gtataaaata agattacaaa tatataagct 240
 tttctcatga aatcaattag caatattcta ttcataatat cacacaaata cattcagagg 300
 acttaccatg ataagtacca aattctgcta gctactaaat ct 342

<210> 2238
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 2238
 tgtcagttat aatatatacc gtgctgagac atcaagacaa cattatacaa taacaacaag 60
 ggtgtctgca atcatcatc acttggacga tatttctagt tcaatcaaat agggtcacta 120
 gtcacaacag caataatctc tcaacaaaa catcaagata aaaaacagga taatgcataa 180
 caattttaag ataaaagctt gtcataaact ggatgatcca ctaatccaat tgacagacaa 240
 ttataaatgg atcattcttt cttcttttac tggaggagct tcggaataga ttgactctct 300
 ctacgaccca tcttattgac gggaattatc actacgttag cggtcactc ggttactcga 360
 gaatccaaat tattctatct cctgactgta gcaatgcata gcgggtcaata ggaacatttt 420
 cttctc 426

<210> 2239
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 2239
 acatgcctca tgacacctaa gcacacttag tggagaatct tgaactcgat attggattag 60
 tgggctgaac catatatgaa attcactaat cataattagt gaaatattgg ctccacaaat 120
 tcaatttcaa attcaagtga aatttgaatt gaaattcaaa tttccctcca attttgtgtg 180
 acacttaggc tataaataga ggctatgtgt gtgcattttt ccaactttga tcatttaaaa 240
 attaaaattc aaattttata gctctcttat agtacaaaat ttcgtgcttt tctcttgctc 300
 tcacttcatt catctgcttc ttcctccaag ctcttatcca ttggcctcta tgggtggtgag 360

cttcttctac gctcatcttc tccttgaagt ggcgtctect ctctctcttc cttctccatt 420
ccactggcat tcctcttcca agaagcaaag gaatcca 457

<210> 2240
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2240

agcttgtgcc ttttcacgtc tggaatatga atgtagcata tagatccaaa gacccttagg 60
tgctntgttg atggcttctt cccgatccaa gcttcaattg gagtcttgtc ttttacagac 120
ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatgtg 180
ttaggtagtc ccttctcctt gagcatcgat ctagccatct ccataactgt gcgattcttt 240
ctctcgga ca ctcattntg ttgagaagaa tatgcgactg taagttgtcg ctcaatgcct 300
tcctctcac aaaatctttc aaactcgca gaggtgtact ctctgctgcg ataacttctt 360
agtactttta tccgttttcc actttggatt tcagcaaggg ccttgacttt ttgaatactc 420
caaagacttc ttgattttct tttagaaaat atacccatgt cattct 466

<210> 2241
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2241

agcttaagag cgaanactac ggntgctaac ttattatcgn gtatggaata attcctttca 60
tgtatcttga gctgttgaga agcatangcc actacttgtc cccactgcat aagcactcca 120
cccaaacc ca tcttagatgc atcacagtac accacanagg gttcactcgg gtcaagtaac 180
actaaaactg gtgcagtggc caacctttcc ttaagggtac gaaaactact ctacactgt 240
gcatcccaca caaaagcttg acccttacga gtaagcttag tcaaaggtaa ggctagctta 300
gaaaaaccct ctatgaatct acggtagtat cctgctaaac caaggaaact cctaacttca 360
aacactgact taggactctc ccaactcacc accgcctcta ccttggagg atctatngct 420
atccctcccc tggatataac 440

<210> 2242
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2242

agcttgccctt gcccttgat atattttatg gactcatggn cactatgaat gacaaattcc 60
 ttgtgataaa tgtagagttg tcatgtcttc aaagcccgca ctagagcata caactcctta 120
 tcactaattg aatagataag ggtaggacca cttaactttc ttctaaaata agcaatggga 180
 tggccttatt gcatcaacac agtcctaacc catcatttga agcatcacac tcaatctcaa 240
 acgattttatg aaagggttggc gacgcaagta tgggggcatt agtcagcgtt tgcttaacat 300
 agaaagcttc 310

<210> 2243
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2243

ctgcagcttg acagaatcat tctaatttca agatttctgt aaaagatgaa ctgccctttt 60
 gttctgcttg ttgtatggga aagattcata gatttccttc taagttttct canaccgtgt 120
 ataattctcc tttggaatta atatacagt atctgtgggg cctgctcct atgaattctc 180
 attgccaatt cagatattat atgtcctttg tagatgctta tttgtggttt acttggaat 240
 attttttaaa gaataagtct gatgccttgt ctgtttttaa acagttcaaa tctcttcttt 300
 tctgtcagaa ttggggattg ttcataggct gacttgtcca cttacacatc accagaatgg 360
 tatagtggaa agaaagcatc gtcacatagt tgaattaggt ctttctcttc ttagtcatg 419

<210> 2244
 <211> 505
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2244

cgttattccg actacttgtc taaaccacta accaagcgac atgtatatat gcagctcttg 60
 agaaccttat tcacaacata tcgttttctg tattagagta tgatttgact atatcttcgg 120
 atggaataga tgtttcataa actcctttaa tgcattctat ctatattcat gaatcataag 180
 acaagttatt ctctcggat gatttggatt attaaaaatg tacataatgt tatatgtgtg 240
 tatgtacgta cgtataagtt ggatgaggca tttcttattt atgagacttg ctngctttgt 300
 gtcacggaat atatattgtg atgatataga tgcattgtgtg ggcgattaat gcagcatatc 360
 ttacgaatct attctaata gaatgacaag agattgtgaa cgcttaatgg tgcgcataat 420
 taaggagcga acaccganag accatatacga cctatctata tatatatatg aatcttctcc 480
 acattatatt ttgcgttcct atgtt 505

<210> 2245
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2245

agctnntggg gcatatgtac ttaagtgg agatatgata tttaaaattg gaataataat 60
 taatattacg agtaaataac atatacaaag atgattaatt nttacataat caatcacata 120
 ttatcatata atgtaaattg attgatagta ataataaaaa tataaaattc atattaatta 180
 tgatttaagt tctaaacatt atagatgata tgataaaaaa aatgtgtata aaaatgagaa 240
 attaagcaat aatgagagat aataaaattg aataatgaaa gagagaaaga gtgtgaccgt 300
 cacagcttcc aatagattgg tgggtgtcgtg caagtacttg acgacccatg ttagaacact 360
 tgctgtggtg tcatgtgcag canagatgac accaatgaga atatcaaaa ctcgagactc 420
 tgtgtgctgc tgatagtaca tcttgggtctt ctcacctcga gct 463

<210> 2246
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2246

actctacctt tacagctnta ctatttccac tgcttcatat tgttctcaaa ctaccacttg 60

taggccttgc attctgtcat ttgtttatga tttgttgatt atatttatca agaacgtacg 120
 agatttgcac tggtatccat gatatttcta tttcattatt tttctttata gatttttaat 180
 atgatattta ataatacatc ttacttggct acatgctcac agtgggtataa tattctatat 240
 gcagtgttnt tttgatacac cagggtcat gttgaattgc ggtggatttc cttatangga 300
 tgtaagggtc cgtgttgaaa gtgcttggag ttcagtcaat ctctatgaag tgctcatagt 360
 catttctgac gttcatagac atattaccag gtcanagggt tatttattaa atggatgagt 420
 agtctatac tcgtgtttac cctatttctt ctatatatag acttggtcga taacttctta 480
 taagactata g 491

<210> 2247
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2247

gcttcattaa tanatcgagt cctactagct ctagtctctt tcatattatc tattctgatg 60
 tatggcggcc aacttcaata aatccaataa aaggatattc ctattatgtc atttttattg 120
 atttattttc acattatggt tgctggctgt atccaatgaa attcaaattc gaaatttcca 180
 ttattcttcc agttttttaa tctttgttg aaaaccaata aaatgtcaaa attaaaattc 240
 tttatactaa caatgatgat gaatacatta agttaagggtc gctccttcta acttatggaa 300
 tatctcatgt aacaacttcc cataccgtg aatatta 337

<210> 2248
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 2248

agcttgcaat cactaagaga ctcttttaac atcgatagac taagacttag ctttcttatt 60
 gatctttggt ttcttgggtc tgatttggac ttaaaataaa acttgtgttt cttttgtctt 120
 ggcacatca agaccatcat acacatacat tcacaaacat cgctatattg tcgtaacaac 180
 ccattgtctt ttgaaccatg gatccctccc actcaagttt tgggtgttatg cattgtaaat 240
 cgcaacgtgt ctcatcaatc ggatgccttc tottacacta aaccaaaaag ctccattaga 300

agtcttgttt catcgccat caaattatag taaactaaca gcttttggtt atctctggtt 360
 tccttgggtc actccatata caactaaca acttcagacc aagtcctgtac catgtgtttc 420
 taggttataa tcttactc 438

<210> 2249
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 2249
 ctaagcttct tcccaatcca ttggcaaata ccaatgcaat ctgagttggt tactctaaag 60
 gccataata cttggtttct cacacctctc cctcctggaa agcaagctat tagttgccgt 120
 tgggtctaca aaatcaagtg caaatcagat ggctctcttg aacgctataa agcacaatta 180
 gtagcaaaaag gctacacata acttgaaggg attgattacc atgacacttt ttcactact 240
 gctaaaatgc gtacaatagc ttgtttatta gctctggcag ttgtcaaaa ttggtcactt 300
 catcaacttg atgtccacaa tgcatttctt cacgaagatc tttttgaaga aatttatatg 360
 tctcttctc ctggttctca gcgacagggg gagaacctag tgtgcttctc aacaatctta 420
 tatggataaa ac 432

<210> 2250
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 2250
 agcttaataa atcaatctat ggcttgtagc aagtctcctg ccaatggtat ttgaagtatc 60
 atgatgtcgt cacttcattt ggctttgaaa agaacatcat ggatcaatgt atataccaaa 120
 aggtcagtgg gagtaagatt ttttcttctg gttatacgtg gatgacattt tgcttgcaac 180
 taatgataag ggcttctat atgaggtgaa ataactctc tcaaagaact ttgatatgaa 240
 ggatatggga aatgcatttt atgtcattgg cattaagatc catagggaaa gatctcgagc 300
 gaatttgggt ttgtctcaag agacttatat taacaaattt ttagagagat ctaacatgaa 360
 agaatgttca ccaagtgtag ctcccattgt gaaggggtgac aaactcactt tgagtcagtg 420
 cccgaaaaat gattttgagc gggaacacat g 451

<210> 2251
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2251

agcttccaat catgcttctg tacagactnt gatcaacact ggtgccagct tcaccccttg 60
 acagcttcaa gtgagtaggt gcaggtgttc ttttatggct ggaattttcc atcccaaact 120
 tcttgacaat gttctttgca tacttgcttt gtgagaggaa catgaagtct tccatctgct 180
 tcacttggag tcccagaaaa taagtcagct ctccaacaag actcatttca aattcagatt 240
 gcatctgttg aacaaaatgt cgaagcatct cattcgacat cctccaaac acaatgtcat 300
 caacatatat ctgtgctatc atcaagtttc tagcatcttg ttgacaaaag agagtcttgt 360
 caattcctcc ctctctatac ccttgctgag taagggaact ctgtagcctt tcatac 416

<210> 2252
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2252

gcttggcaat aacacaacct cgactctcat tgagtgtaga acactttcaa gtggtgctca 60
 gttggagaat agtcatgagc tatgatgcaa tctaccccg caagggcatt ggatagaaaa 120
 ctccaagtag attgtgccag agatgcaaga gaaggcccta gggttcttat gagccttacg 180
 gtagatttct ggcgcatggg ctaagtacga gccacttat ctttgtaaatt attaaattaa 240
 ggtttcatta tttttgggcc ttgtatttac ggctccataa tgtatgtagg gtaccctaca 300
 aatatacgat ttttcagccc ttgtatttta cggcacctag actagttttt gtattaaggg 360
 tagatntgta atcttacatg cactaagtgg atattngatg tgt 403

<210> 2253
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 2253

agcttctgag agtggttaaca accaaaataa agtgctatgg cctatgggta cagtcagata 60
agaacactca cagaatcaac ggtcttcata gcctgaggcc caggaaatgt cttgccagaa 120
ccatggctct ttggaagtag tcgcccctca acttcttccc cactgattcc tctagcaata 180
ttccacaacc aagtactgca atgctgtaaa agctagaatc aggaatagaa taccaacaga 240
ttgcaatgaa gacaatcaaa tggacagtca tgagtaatta agtaactaaa tcaaaactgc 300
atggcatgca attggagaat aacacaaaag ttgcaattta aaatatgaga tccanaaat 360
gaaatcagca nagacagcca aatgatgctt tggtagtaga tatatataac atcatgtaag 420
aacttagaag acatactcac ccagtattga tcccatacca c 461

<210> 2254

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2254

agctntggag tttccaagtg ccaattcgtc ttcttctttt gtccagactt cttctggctt 60
caattcatta gagggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
gacagctttc caggtttctgc tatccagtga ttgaggaag gccaccatcc ttgctttcca 180
gtattcatag ttggttccat ccagaattgg tggctgttcc actggctctc cttctttctc 240
catgttcate agaatttate tccctagatc tcaactcagt atttcgagtg cctgctctga 300
taccaattga aattctgata ctggggacag atgtcgtaca ggatgtcacg acatcacgct 360
tcagaacatg cagattgtct ttgactgtat gaacaaatta aacaagttaa taacacaaga 420
gaattgttaa ccagttcgg tgcaacctca cctacatc 458

<210> 2255

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2255

gctttcttgg agaaacttnc ttgagaagct tctntgagag aactttcttg agaagctata 60

gcttagctac acacaccct ctaatgacta agctcacctc cttgagaagc ttgcttgaca 120
 agattcctaa agaagctaga gcttagctac acacacctct ctaatagcta agctcacctc 180
 cttgagatga gaagctagaa cttagctaca ccncnccta taatagctaa gctctacccc 240
 atggcaaaat acatgagaat acaaaaaaaaa aagtcacctac taaaaagact actcagaatg 300
 cctcgaaata caaggctaaa accctatact actagaatgg ccaaaatata aggccataac 360
 aaagganaaa acctattcta atatttacia agataagcgg gctcatactt agcccatggg 420
 ctcanaatct accctaaggc tcatgagaac cctanggtct tccttgggat ctctggccca 480
 atctac 486

<210> 2256
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 2256

cgcacccttc ttcaaacatt cggtcatagg acttgctata gtgctaaaat tctggataaa 60
 gcgtcgataa gatgatgcaa gaccaacgaa agatctcacc tccgaaactg ttgtaaggct 120
 cgggcaagtc ttgatagcat ccacttttgt ttgatcaacg gatactccat ctttagacac 180
 cacatatcca acaaacacca cactctctac caagaaatca cactcttccc tcttcccata 240
 gagtaattgt gctcttacgg tctcaaatat ctgtttaaat gagtgaatg ctctctata 300
 gacttgctat acaccaatat gtcac 325

<210> 2257
 <211> 206
 <212> DNA
 <213> Glycine max

<400> 2257

gactcaatcg gacatccgag ttaaaagtta ttgccgctta catttgctac gagcttccgc 60
 tttcaactat gatcgtgtcg atatattact ggactcaatc gaacatcgga gtaaaaagct 120
 attgccgtta gaatttgctc agtgccctcg ctttccattc agagccgctc gatataattac 180
 gggactcaat cgaacattcg agtaaa 206

<210> 2258

<211> 391
 <212> DNA
 <213> Glycine max

<400> 2258

agcttgaaca gttaccaatc tccaaatgaa tcttcctga caacatgta tcatagagaa 60
 acattatctt caatttacca agcctcccaa cctctctggg gagatcacc tgtaaattgt 120
 tgcgaaacaa tgcaagtgtc tgcattgttag tgaggatccc tatgaaagga gagattgaac 180
 caaccaaagt gttggtttga agcaatagat cagttagccc caacaacca taaacctcaa 240
 taggtattga cccattgaga aaattgtttg acaaataag ttgcttgagt gagtggcacc 300
 gaccaactc agctggtatc tcaccatgaa ttccactacc tgacatcatt aaattctaca 360
 cacttgtaac attggaacat atggttcttg g 391

<210> 2259
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2259

cttctcatca atggactcct gacgtatacg aatgagtgcg gtctggtcga taaattccta 60
 tctctntatc tatttctgag atgtttggat ttttcaaac tccatggaca tgcagaagag 120
 aaatgctatt cccactcgga ccaagacata actttacttg ttcaaataac aattaagggtg 180
 aagcagagtc aggaacaacg aatcccttta tgataaacag attcattttg caagttcgtt 240
 attacgggta gtctctacaa aggatcggac taatgacgta tacaatactt gaattctcga 300
 tgtagatgct acatagttgg ttctcatcct tcacagacta cgagtataat angagcatcc 360
 gtcaacanaa ggatcacctt aagatgatca tctcg 395

<210> 2260
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2260

ctaagcttag tctgttgat ctgangttga aggtaggacc cccatacttg gggtatccac 60

aactctggca tgctgtctc ttcttgaaat ttatatgtc gcaaacacca cacatccaat 120
ctctccaga ccagctcatt ttctgatca atatccacac ttgaattttt gaattataag 180
aatttttggg tccatcaatt ctcggtgcaa ccagataagg actatatgtg catgtagcct 240
acttacacag taatgagaaa tattattagt ccttgtttta tgcattatga gttatgactt 300
atgaccctaa cttctattaa aggcattgcaa tttctatcc atatataggt tatntgcaca 360
aagaactact gtcttgggtg atagaatact ctgtcaagat ggcattagcaa tcttgtcaag 420
tttctactc tactcaatat taatctattc at 452

<210> 2261
<211> 455
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2261

agcttgtttt gtgtataaaa aatgatgcat atgttaccac taatgtgaga aataataact 60
ctaatttagg gggaaaaagg ataaattgaa aacaatgaat gatatatgcc taaaaaatga 120
aacttattag acatatgaag aaatataaaa atcaaaattg atttattaat ataatatcca 180
gctcaatatt taaccagtta atttatatta tgaagttatt ttttaattaa ttgactgcgt 240
gacatttggt ataaatctga attagaatat acattattgt tatcatttaa taagttgaat 300
ctagatatat actcgtggta gtaatttgaa tgcttaaata ataaaaatta tacttattat 360
aacgacctta cttatgtatn ttttaataaa tagagaaata atacaaatta ttctacttca 420
atgaaatata cgatatataa tattttatat gaaat 455

<210> 2262
<211> 493
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2262

atgataaatac tttatatata aanagtaga catgacggta ttattgtaat ttaaattcttg 60
ccgctcattt tgagggtaca tgcaattaat tctatcactt cttttgtttc cataatcaga 120
tttttaaaac gtaatttata actaattntg attacgatta tttcttcttc ttttaaaata 180

taagaatggt taaatactta attgcccatt cttaaattctc ataaattatt tcttattttc 240
 cgttntatat tctatgtagt gtgtaaggat ttttaacaaat tagtgtgtta gtgatcaagg 300
 ttctctatta atatgagttc ttataagtca cattgtcatt tagtttggtt cctttcaact 360
 gattgtaatt atcgtagtga aaaatcacga tgttggaat ggatgatggt tgggccgcag 420
 ctattgttgt tcaaaanaaa aatatngcg ggacacatgg tncactagtg agaactatgc 480
 atatcttata tac 493

<210> 2263
 <211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2263

ctaagtgtg ttcccgtagt atgcacaagt tgataaaata atattnttca ttttctaaaa 60
 attaatttaa gattaaatat atctttaaca gatagtagt ttaattatat tatgagaaaa 120
 aagtcacgca ttgacatata taaatgtgta ttatactctt actttttttt aacataccac 180
 tcttttcttt atataccact ctgagctgat tatgtaaaag agttaagctc aagtttttct 240
 ttttaattca tatattacat gttaagctca ttcttttaat tatcttatat aaaaacattg 300
 attaaatatt at 312

<210> 2264
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2264

cattccaccc aaacgcaccc ttcttcaaac attcggtcat aggacttgct atagagctaa 60
 aattctggat aaagcgtcga taaaatgatg caagaccaag gagagatctc acctncgaaa 120
 ctgttgtagt gctcggccaa gtcttgatag catccacttt tgtttgatca acggatactc 180
 catctttaga caccacatat ccaagagaca ccaccctttc aaccaagaga tcacactttt 240
 ccttcattcc atagagttnt tgtgctctta ggggctcaaa tatttggtca catgagttaa 300
 atgctcctct atagatttgc tatacaccaa tatgtcatca agagtaacaa caacacactt 360

ac

<210> 2265
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2265

gaagtgcctt atgaatcctc ccgtacttat gccaccagta cctggaaggc ctctcatatt 60
 gtacatgaca atcttatacg agtcaatggg gtgtatgctg tggcaacatg atgaatccgg 120
 agagaaagag cgcgctgttt actacctaag taagaagttc acgacctgtg aaatgaatta 180
 ctccctgctc gaaagaacgt gttatgctct antatgggca tcccatctcc tacggcagta 240
 catgtcgagc catactacct ggttgatata caagatggac ccggttaagt acatctttga 300
 taagccagct ctcactggaa gaatcgcccg gtggcaagtg ctgctattcg agtgtgatat 360
 agtctacgtc acc 373

<210> 2266
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2266

agctntatca aatttcctt ctaataagtt ttgtattcca agactttcgg tttggtatgt 60
 atgatttcct agtcttggaa attagtggta taattntcaa ggggatacct gtgactcgat 120
 tggtgaaata ggatctctct tcaaaaaagc atgttttttt taccattgca aaaagaaaag 180
 attttgttgc gaatgaacaa gatatcgaga aattgtccat acgtaaaatc ataattattg 240
 atacaggcct ttccacgta aaaagagaat cttttgttac aatagaagca gaagtgatat 300
 tgattattca agaatcgaag tcaatttgct ttatacatat acataatata tggcataata 360
 gagcctgcga ttctttgatt tgatgtctag tcaaanttca aggtggaagt tatagttctg 420
 aatttatcca tgttangatg ggaaaatgtg aaaaaaagtt ggatatg 467

<210> 2267
 <211> 284
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2267

agcttcttct agacttatct cctcactact agataatata ctttcaacat cggttattta 60
gaacattcta catcggttct aaaaccgatg ttgaaagtga cgatgttgaa tgtatgaatt 120
ttaacatcgg ttttggagaa ccaatgttaa catacatatg acaacatcgg ttctccaaat 180
acccgatggt aaacacaatg aacaacagca aaaaaagtgc aggcatgatg aacgttgaca 240
tcggttnttc agtaaaaccg atgttaatat gttagttaa catc 284

<210> 2268

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2268

tatgccaaaa cnttcattat attcttcgga tatagtatct tcaaagcttg agtgttgaag 60
tgaccaaatc ttcaatgcca taaccatgaa tcatcaattg taactctcat ggcaatgcca 120
gtattagtag tataactaaa gcttattgga aaaaacttat atttccttcc tccattttaa 180
cnttggcaat ctcttgccct ttgggtatct ttatcataga taatgcacgt atcttcttca 240
agggtgaagat aatagccttt ctccatcatt tagccaatgc tcaagagatt atctttatga 300
tttggaacta gtaagacatc tttttatgat ctcttacctt tctttgtctn caccatgaca 360
gtgcactttt cttttgactc taccatgggtg gtcatttcca attgaactnt gactctgaca 420
gtggtegcaa tttcct 436

<210> 2269

<211> 342

<212> DNA

<213> Glycine max

<400> 2269

aattcatttt tatcggtttt gtaaaatact tggatgaata atacaattaa tattacgcta 60
cattgaaatg tgactttatg tataatgcat actctcactt atcactacaa ccaatatatt 120
atacataaat atgtactata atacactaca cttttatgat tctatgctat gcaattacta 180

ataatttata cataatttga tataatatac aatatcaacc attatctttt acaataaaaat 240
 attactatac aaatctatat aaacatatga taactatect atgattttat tttttaatcc 300
 taaacttatt catttaacat aaactataat actattgacg ta 342

<210> 2270
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2270

tctgttggtc aactttgagt gtctcgatat attatgctcc tgaatcgaac atccgagtga 60
 naagctatga gcattcgaat ttcttgagag cttacgctgc tcaatttcga gcgtctcgac 120
 atgtgatgtt cctgaatcgg tcccccgct gtatagttat gaccatctga atttcacgag 180
 agcttccgct gctcaatttc gagggcctca atatgtgatg tgccctcaac atcccagtga 240
 aaagttatga caattcgaat ctctagagag cttccatcgc tcaatttcga gcgtctnccg 300
 atattatgcg cctgaatcgg acatccgagt gcaaagctat gaccatccaa ctctcttacc 360
 cgcttcatag ttcgatttcc acc 383

<210> 2271
 <211> 436
 <212> DNA
 <213> Glycine max
 <400> 2271

tctacttcat agtctaccac attcatatga tcaattcatc atcaacatta ttgtcagtcg 60
 tctaaccttt gatgatgttg ccagaactat tcctaaagaa gaattctaac aaaagaataa 120
 gaaagatacg caggaaaatt ccaagcatgc aaaggcttta atgatgacga aggtagatca 180
 atgtaatgtg gctctaattg gagttaaaat catggcagat caaagtcttg aagaagaaag 240
 aacctcatat actataattg tggcaggaga tgacacttaa agaaagattg ttggcctaaa 300
 aagagtggag gagataaact atagagaatc gagctctcaa cgttgtgttg ctagcacctc 360
 acataatatg gaagccatgt gtagtgaaac accaattggt tttagagggtg gaagacaact 420
 tcatgatcgt tggata 436

<210> 2272
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2272

ggataagagt agtaaatgat gaagtgatac ctttaggcaa tgatgcactg ccatgaaatt 60
 cctgaatgcc ttcacaaata tcagctccca tcgtgctcca acaagctttg aaaaaatcga 120
 agttgaagct gtatggtcca aggtttttgt ctccagcaca gcttcaaaca attgctttga 180
 tctcttcaca agaaaatgga gcttctaacc aattactatc ctcattgctt atctgtttga 240
 aatccaccct ttccatctgg ggctgtgaaa catagtcttc ctaaagcatg ttagaaaaga 300
 agcgtttaac ttctttctta acccctacca catcttcaat ataactgcat cagaattaac 360
 gcactntagt ttattcttct gacattctgt tcaaaggcaa gagtggaaaa attgggtatt 420
 gataatccca agtttc 436

<210> 2273
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2273

ntctacaaaa tcaaacgaac aataacttta actcggatgt ctgattgagt cgcgtaatat 60
 atcgagacgc tcgtaattga aaacagaagc attgagcaaa ttcaaacgac aataactttt 120
 tactcggatg tccgattgag tccgtgaata tatcgagacg ctcgtaattg aaaacagaag 180
 ctctgagcaa attcaaacga caataacttt ttactcggat gtccgattga gtcccgtaat 240
 atatcgagac gctcgtaatt gaaaacagaa gctctgagca aattcaaacg acaataactt 300
 ttactcggaa tgtccgattg agtcccgtaa tatatcgaga cgctcgtaat tganaataga 360
 agctctgagc aaattcaaac gacaataact ctttactcgg atgtccgatt ggtcccgtta 420
 atatatcaag acgctcgcaa ttgaaaacag aagctctgag acaatcaaac gacaataact 480
 ttttactc 488

<210> 2274
 <211> 311

<212> DNA
<213> Glycine max

<400> 2274

tttcgagcgt ctcgatatac tactgtacac aatcggacac ccgagttaaa agttattgtc 60
gtctgaaatg gctcacaact ttgttttcaa ttacgaacgc ttgatatat tacgggactt 120
catcggacat ccaggttaaa agtttatgtc gtttgaattt gcttaaagct tctgttttca 180
atttcgagcg tctcgatata ttaccggact caatcggaca tccgagttaa agtttttgtc 240
gtttgaattt tctcaaagct ctctgtttca attacaaagc gtctcgatat tctacgggac 300
acattcggac a 311

<210> 2275
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2275

cttcattntc aattacaagc gtctagatat attacgggac actttctgac atccgagtaa 60
atagttattg tcatttgaat ttactacgag cttctgtttt caataacgag cgtctcgata 120
tactacgaga cacaatcggc catccaagta aaaagttatt cctgtttgaa ttgctacaa 180
ggttccattt tcaatttcaa gcgtctagat atattacggg acacaatcgg acatccgagt 240
aaaaagttat tgctgttaaa attttctaag agcttatgtt ttcaatttcg agcgtcacga 300
tatattacgg gacttaatcg gaaatccgag ttaaaagtta ttgtggtttg catttgctac 360
aacctttcgt tntcaatatt gagcgtctcg atatattacg ggacacaatc gaacattcga 420
ataaaacatt aatgtcgttt gaattgctat gagcatctgt tctcaataat gagcgtctcg 480
atatacta 488

<210> 2276
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2276

agctntgagc anattctaac gatagtaact cttttctcgg atgtccgatt ggggtcccga 60

gtatatcgag acgcacaaaa ttcagaacaa agcctctgag caaaatcaaa cgaaagtaac 120
 tttttactcg tatgtccgat tgagtctgc aatatatcga gacgctccaa attgagaaca 180
 gaaactctga gcaaaatcaa acgacaataa ctttttactc ggatgtccgt atgaatcccg 240
 taatgtgtcg agatgtctgt aattgaaaac ggaagctctg agtaaattct aatgacaata 300
 actttgtact cggatgtccg aatcgtaata tatcgtgacg ctcgtaattg anaacagaag 360
 ctcttagcat attct 375

<210> 2277
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2277

ntacatgaat tntattaaca taaaaaattt cttcaatcat agtacctttg atatatctaa 60
 taattctctt agctccttgt agatgactaa cgcgtggctc ctcaatgaat ctgctaagca 120
 aactaactcc aaattatctg gtcttggtgc aaccagatat ctcatatttc caatcaaact 180
 cttatataga gttgcatcca ctttttttct cttcaacatc tcttgtaac tttagctctt 240
 cttcaactag tgtggaaaca tgctttgaat ttccatctc gaatttcttc anaatatcac 300
 atgcatactt cctctaggag atgaanatcc caccatctcg ctaattgacc tcaatgccaa 360
 gaaaatanga catcaggcct aaatctgtca tctcacaaca tcttatcata gcttccttag 420
 attctgaaat caactntgaa ttcgtgtcag tgaagattag attatcaaca tacagacaca 480
 caatgagaat at 492

<210> 2278
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2278

agcttgtcct ctccgatgga agaataccgt gacatatgtc tcttgggcct tataaaggac 60
 aatgaagtca aagtcaacct atgcttgtag ctactncatg ccaattgaat ggccacagca 120
 acccaagttc tccaccctgg tgagtaatac cttgcacttc tcttcacctt ttccttaaca 180

aatgtgtacc tgaaatgttg tgtcacatac ttcacgtcct gtgctataag gccgaacgcc 240
 tcggtggttt ccaacgtgat gagtgtggat 270

<210> 2279
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2279

tatggacaat aaaatacgcg gtattgagaa gagcattttg aaagaagctt ctgtgcctga 60
 tgctgagaaa gatgttncac tatcttacac cccgaatgtt tctgtgcctg atgatgagaa 120
 agatgattct acatcttccg gcctaaatgc tgagggactc cctttatcca cgggagaaga 180
 atcaacagaa gaagaggatt tagccctaaa tgagactcct gtaacgcggg cgcctgaagc 240
 tgctgcagtg aactaatgac ctgtagacat taatgtgtga agaaccattg ccacacgtgg 300
 ccctcgttt 309

<210> 2280
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2280

tgcaagctgg aatcatttat cctatctcct acagccaatg ggcgagtcct gccaggtag 60
 tcccgaagaa gaccggcctc acagtataaa aaaatgagaa ggaggagttg attcctactc 120
 ggggtgcagaa caggtggaga gtctgcattg actataggag gctgaaccaa gttaccaaaa 180
 aggacaattt tcccctgcc aatcattgacc aaatgcttga acgcctggca agaaaatctc 240
 actactgggt ccttgatggg ttttctgggt atatgcacaa tactattgct cctgaggatc 300
 angaaaagac cacattcacc taccctt 328

<210> 2281
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 2281

agcttatata gaaagttegt tectaatttc tctattattg catcacctct caatgagata 60
gagaagaaga atgtggcatt tacctgtggg gaaaaacaag agcaagcctt tgctttgctc 120
aaagaacagc ttactacggc acttggttcta tctcttcctg acttttctaa aacttttgag 180
ctacaatgtg atgcttctgg agtgggagtt ggagctgttt tgttgcaagg tgggcaccct 240
attgtcttat ttagtgaaaa acttcattgg ggcaccctta actactccac ctatgataaa 300
gagctttatg ccttaataag agcactcaga acttgggaac attacct 347

<210> 2282
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2282

agcttcggta ttcaatntcg atcgtctcga tgtattacgt gactcaatca gacatctgag 60
taaaaacggt attgtcgctt ggaattgctg aaagcttcaa cattcaatgt cgagcatctc 120
gatataatttc gggactcaat cagacatccg agtaaaaagt tattgtcgta tggaatttct 180
gagagcttca acattcaatt tcgagcgtct cgatgtatta tgggactcta tcagacatct 240
gagtaaagaa gttattgtcg ttggatatgt gccagagctt caacactcaa ttctgagcgt 300
cttgatgtat tac 313

<210> 2283
<211> 294
<212> DNA
<213> Glycine max

<400> 2283

tcttgaacce tcaccgcgca ctctttcata atacggagac tcctgacacc catcaagtgt 60
accctttct atgctctctg gacatgaata cgcttggttg gtttgacca accacgcgga 120
tatgaatgga aggcttcttg ccacttcatt ggctctttaa agtcgcatac ttcactatat 180
tattgtcgt atcttactcc ccagatcttc aaaccttgca caggtttctg aagaagatct 240
tatagtcatg tgggcctttc atatcgaccg accaagcgat tgggcactt aacc 294

<210> 2284

<211> 312
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2284

agcttctcca nagaacacag gatcatcatc atactgcagg atatccacag gaaccttggt 60
 cttccccacc aggaagcttt tgaacatgt ttgagatact tgttgctca taaacctgt 120
 taggccttca gccactaaat caaagagaaa aggggccaaa ggatctcctt gtcgcagccc 180
 tctttgaggt ttaaactctg aagtagggct tccattaaca agaatagata tggaagctga 240
 agagaacagg cctttatcca tctaattcat ctctcatgag accccattct cttcatatat 300
 aaatgagaaa tt 312

<210> 2285
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2285

ttgagcaatt canatgggtca taaatagtca ctcgagggtc ctattcacgc acataattta 60
 tcgagacgct ctaaattgaa caacggaagc tctcataaaa tttaaagtgt cataactttt 120
 aactcggagg tccgattcag gcggataata tatcgagacg ctccaaattg aacaatggaa 180
 gctgttgagc aattcaaattg gtcataaata gtcactcgga ggtccgattc aggcgcataa 240
 tttatcgaga cgctctaaat tgaacaacgg aagctctcaa gaaattcaaa tggtcataac 300
 ttttaactcg gaggtccgac tcacgcgcat aatatatcga gacgcccga attgaacaac 360
 ggaagctctc gagcaattca tatggtcata acttttaact cggaggtccg attcaggcgc 420
 ataatatatc gagacgctcg aaattgaaca acggaagctc tcg 463

<210> 2286
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2286

tctagggatt aaacataatt aagggtattg aaaaacaaat atttaacaga aacattgtat 60

gattcttttt cttgggaatt ccaacggcat gaatgagttg ataattggtt gattttgatc 120
 cacaggtcac tcaattgaga tttgaagcca aggctccaat tatgtggtaa attatgacta 180
 ttattgttgg caacacctaa aggacatgac aacttcacga cgagcattta agatagatag 240
 aacaatcttg gttcagatct ggctggagag actgcagcag ccatggtagt tacttccatt 300
 gtgttaagga aaaccaaccc acattactct cacttgcttc tacaccaggc catgcaagtg 360
 agtcattact caatgctttg tgcctagag atcacaattg aatgcactat tatactntga 420
 attaaaaata aaatagatta gtactgcagg tataattcaa tctacgtata gtatatatat 480
 actact 486

<210> 2287
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 2287
 atcttaagtc acctgcggca tgcagcttaa catttcaatt cgtgcgtctc gtatgttact 60
 ggactcaatc agacatccga gtaaaaagtt atggctggtt gtattggctc acagcttcaa 120
 cattcaattt caagcgtctc gatatgttac gggactcaat cagacatccg agtaaaaagt 180
 tatggctcgt tgaattggct gagagcttca acattcaatt tccagcgtct cgatatgtta 240
 cgggactcaa tcagacatcc gagtaaaaag atatggctgt ttgaattggc tcagagattc 300
 aacattcaat ctccagcgtc tcgatatgtt acgggactca atcagacatc cgagtaaaaa 360
 gttatggctc tttgtattg 379

<210> 2288
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2288

agtgaacttt atagcggggg tgatcacaga atggaaggat attccagttg agcttttgat 60
 gcagattttg tcaattgtgg atgatcaaac gggtatgata gcttctgaag tttgtcgtgg 120
 gtggagagag gcaatttget ttggcctgac tcgggtatca ctctcatggn acatcatctg 180

tttttttacc ttcccttcta atgctttatt tcaactttga ggttattatg cttgtggagg 240
 cagtgaatat tgaaaagggg gatttttttt t 271

<210> 2289
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2289

agcttcctta agaagattcc taaagaagct tgagcttagc tacacatacc tctctaatag 60
 ctaagctcac ctctcgaga tgagaagcta gagcttagct acacaccacc tataatagct 120
 aagctcacc ccatgacaaa aaacatgaaa atacaaaaaa agtccttact acaaagacta 180
 ctcanaatgc cccgaaatac aaggctaaaa ccctatacta ctagaatggc caaaatacaa 240
 ggcccagacg aaggaaatgc ctattctaatt atttaciaag ataagcgagc tcatacttag 300
 cccatgagct cgaaatctac cctaaggctc atgagaaccc tagggccttc ccttggatct 360
 ctageccaatc tacttggagt cttctaccca atgcccttgc ggggtaggat ggcattcattt 420
 ggcacataac taanatttca t 441

<210> 2290
 <211> 395
 <212> DNA
 <213> Glycine max
 <400> 2290

cctgtatttg ccttacctga atctacaaag actatttttag tggaggcgga tgctatatga 60
 gtgggggtca gagccgatct cataccagat caccattgca tagcctttat aagtagaagc 120
 ttaaatgttc agcaacaatc catgtcaacc tataagaagg aggtactacc tgtgggtgctt 180
 gttgtacaaa agtagagaca ttacttatta cctaagcagt ctgtaatgaa aactgatcac 240
 acaagtctcc agtatattct tgaccagaga ctttccacag ctttccaaca catatgcgtg 300
 gtaaaaccta tggaatttga tttcattatt gaatacaagc acggaagtga gaaccaagct 360
 gctgatgcac tctcaagagt tgaatgtgct actat 395

<210> 2291
 <211> 495

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2291

ntanacttgt tcttacttga taatggttat agacttatag ttataattnt taagcaacaa 60
 acaaaagaac tcatgtgaga attgactcat ggtcaagaag atgttctatt tattttaatt 120
 actatcaatt tagaatttat ggtgaaataa aaaaataaag caacctgtta aactcggtag 180
 aatgatagaa aatttagata atttatatgg catcttaagt atacatctta ttatcaccat 240
 tatataaaac aaataaataa aattaacaaa aggagaaaat aatttatctg ccaaccatgg 300
 attttttttt tatactttta tctaatacata aattaacata tacaataaaa ttgttgattn 360
 ttttatagta attattttca agttatagtt atcataattn ttaattaact gatagtgtaa 420
 aattatatat taataaaata taaattaaat tcattaacaa aagaacatta taaagtgtct 480
 gtgcaaatg aaatg 495

<210> 2292
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 2292
 atataaactt cttcaacaa atctctattc aaaaagcat tattaacatc taattggaga 60
 agacactagt ttctaacagc aacaacacag agcaaaactc ttacagtggg aagcttggcc 120
 attggagaaa atgtatcaga gaaattgatt ccagcttatt gagtataccc tttggcaacc 180
 aatcgagctt tgtatctatc cacaaagcca tcattttata tttaacctta tacacccatc 240
 tacaaccata catgcttat 259

<210> 2293
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2293
 atactcagct agaagaaata agactagtgg ctgaggatag atgattagta tctctggcgg 60
 tttaagttat atgagtgaca acaactctgt acaatattnt gatgcacttc aagaacacac 120

acttgagggt tttaatctaa taagaaagtt tgagacggaa ttcacctaaa cttaaatntt 180
 tataaaatgg atttatagaa ttattaatntt gtgatatcga cgatactaaa agattatata 240
 tattacgata gaaaatgtta ttatattaat ttattgaaat gatagatntt gcttgatagg 300
 ccgaagttaa ggccacaaat atatatttta gagaaaatta ttaatttttg aaagtttata 360
 tgtaacttga aaaacttagc caattgttat aatgtgaact tatgcttggg attcgactgg 420
 cgacgattgt tagtggagtc ggggactgta acttaccttc tagagcctat attattacca 480
 taactgtgat gtaatcatta ta 502

<210> 2294
 <211> 486
 <212> DNA
 <213> Glycine max

<400> 2294

tatctctaga agacaaataa atgagtttct ttgtactctc aaattagttt atgcacttta 60
 tagaaactct cttctctcat atatagctcc tttaaagatg aacaaatttc taaaaattaa 120
 cttatataat ttatgtagaa actcttgatt cttctttttc ttaaagcgta tatgaaaaaa 180
 cttacaaaaa aagactctgt cattaagaaa aaattatgaa gcttatccgt tggttttggt 240
 ttattataag ctttttatct tcatgtgcgt tgttcctga ttcgtagtaa ttgctaattg 300
 aacatgagtt taatggaaca tattgtcggg gtcaaattac agaataaaga aagtagaaaa 360
 tcataactaa taagactctt aaccagtaa ataaactaat cttatagctt gatttgtaat 420
 taaataatat tatacaacta ctttttagtta ttgatacata gcctatccta tcatcttaca 480
 tttcat 486

<210> 2295
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 2295

gcttgtaatc gattacacat atactgtaat cgattaccat aagagaattt cagaaaatat 60
 tctcaatagt cacatctttt tatttcattc ttaaagggc atcaaaggct tatatatatg 120
 tgacttgaga cacgaatttg ctaagagttt ttaagaacaa aaaggtctta tctctttaa 180

aagtaaaatc gttttatcct cttacaaatt ccttggccaa aacacttggtg attcaataag 240
gaattatttg agtgcctaaa ttgttcaatc tatctcttcc aagagagatt tcttcttctc 300
ttcttcttta ttctg 315

<210> 2296
<211> 471
<212> DNA
<213> Glycine max

<400> 2296

taaagtttgt aggcctgagg attctctatt atctctctca cagcacata tataatagtt 60
ctatatataa taatatattc atgctgatag gctcgttggc gtatttgact tgcacaagtt 120
tcttcgcttg ttataaacc ttaattcaaa atagacttat tataaataga cttttgtgac 180
aaatctaact cttaacaac tcagactaga cttaacaaat caataaatag tttctttgag 240
taatattaga ttctattctt ttaagtaaga ttttatattt aagttttatt gatagaaaaa 300
tatgattgga agaaaaaatc tcattaaaaa tagctcatta ggttctttga tagagattaa 360
ttatcgacaa aactaataaa tactctattc caatagcata attaagaaaa ataaattaaa 420
cttaacaagg atatataata ggcaaatgag ttacgctaga ctttgtaatt a 471

<210> 2297
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2297

cgcttgccct agcacactnt acttncatct atttcagact atattattta tacgggttgg 60
acaaaatggt tccgaagact aatatcatat tgttgattac cttgtatatg taacaattta 120
ccttattatt gtggagtttg gcattgggtg cataaagggc tcgatgacat aaaatcactt 180
tacaacatc ttctttctac tcatcacatc tacaacaaat agaacaatat atccctattt 240
gctgatgagt acataatata ttgacttgt ttttgccaat atacggatga gttcatcaca 300
tttttcttat ttggcatca aaatattatt atttaagata aaatatgtgt tacatgttat 360
tctatatcat tatgtgatgt gtcggtttat gatataacta tgttcttcct actcgagata 420

tactcat ttt t

<210> 2298
 <211> 469
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2298

agcttacagc aaatgataga atgtctatag tttatcatt tgacaattta ttggtattat 60
 atgtcttctc ctccatata atagactctc tttttctc tttttcaact gtgaattttt 120
 acataattca taaattttat ttgatacctt gcatagcatt gcatttagca aatacaattt 180
 aacatgcttg gtttataagt attgacacaa aaaaggctta tgaaaatacc ttgtattgca 240
 tgttgctagg gcttattaaa aatatcaa atttttacat gtgtctgtga aatcagactt 300
 attaatgatg cgataaatta tgtaactatc atgtctctcg ttgatgttgc taaaaaatt 360
 gtttaggaag tatanggatt aaaagtgc tttgcaaaaa gtttaaagat cgagaacata 420
 attaaccat ttaaataatta tcaatanaat aaccttaaat ttaaaatac 469

<210> 2299
 <211> 511
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2299

tcggacctat aaaactaagc tgggtatctc cttcttcact acatcaagaa tcaccgggtt 60
 gtgtcttctc tgtggctgtc ttactgggtt agctccatct tctaaattta ttgatgcatt 120
 acatgtggat gggctaatac caggaatgtc cgccagggtc cagcctatag cttctttatg 180
 cttcttgaga actgacaaca acttctctc ttgctcatca gcaagggagg cagatataat 240
 cactggaaaa ctcttgctat catccaagta accgtatttt aaatttgatg gcagaggctt 300
 caattctgggt gtggctgggt ggacagtgggt agaaggagat gggttctcan cttttacctc 360
 ataaagaaaag tcagagggtat gtgtacttcc tgaaacatgg ttagtcttat ctgactctat 420
 aanatcaatc tcaagaggta aaacaccacc accaggcatg caatcaatat cactctcaga 480
 ttcactctca gcatcaaagt cagacatatg a 511

<210> 2300
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 2300

ctaattgtgtt ctcccttgta gaactactaa ctgcagtaac agttgcagcc caactatcca 60
 gtagtgatga caatagaatc aatgccttca cctcatcctc aaatttaatc tgcacagatt 120
 ccaattgggc aagaatagta ttaaactcat taatatgac agttacagag ataccttctc 180
 ccattcttgag gttgaacaac cggcgcacatca agtatacttt gttggctgct gacggcttct 240
 cgtacatatc tgataatgcc ttcattaagc ctgcagtagt cttctcgttc acgatgttga 300
 acgcgacgtt cttggctaata gtcaatctga tcacgccaaag agcctgtcga tctagcaagt 360
 tccattcttc ttgcttcacg tcttctggct taaccctga taagggtga tacagctttt 420
 tetgatatag ataatcctct atctgcac 449

<210> 2301
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2301

ctgagcanat tcaaacgaca gatcactgtt tactcggatg tcttattgag tncgcgaata 60
 tgtcagagacg ctcgaaattg aagaccgaag ctctgagcat attcgaaacga cacataactt 120
 tttactctga tgtctgactg agtcccgtaa tatatcaaga agctcgaaat tgattatcga 180
 agctctgagc aaactcaaac gacaataact ttntacttgg atgtctgatt gagtcccgta 240
 atatatcgag atgctcgaaa tggaataccg aagctctgag caaattcaaa cgacaataac 300
 tttttactcc gatgttcgat tgagtatcgc aatatat 337

<210> 2302
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 2302

agcgtagga tcggaagagt gactatgata atctattatg gccaacggaa aaatgagggg 60

ttgattgtca atgcaatttg ggggtagctc tgctggcttc gacgtcattg gcaaaccgcg 120
 gaatgggttg agtgtggaac aatggaaaat atgggtgaatt cgtgctcctt ttggtacttg 180
 caagcggtag gccatgggac ctattctctc tatgatctga aatggcccgt aatacctctt 240
 tgctaatttg ccatactag ccggagtcc ttttgctgat gtttctcggg atggtcggag 300
 cttgactata acccagtcac cacattcata attgaccttg tgccgcttct taccagcata 360
 tgtcttcata catgcttg 378

<210> 2303
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2303

ngagcttaaa tctaaactca gttattcaaa tgagataagc tcatgctgta tatgtttgat 60
 aaaagctcac aaacaacttg tgtttggtga tgtgtatatt ctatacaaaa gattgtcatt 120
 ttaaatagaga aaatgtatgt atactaataa taataattta tttattgtta ttacttagta 180
 aattgttata ttattgattt attactgtct actatttacg taacgctact tttcaaagag 240
 tttctttact ctcttcaact tctagcataa agatatgtac tcaactaaat gctaaattaa 300
 taaacataga aagaatacat tggagaaaat ttgaggtagc aaaagaaaat tattgttaga 360
 atttagaata tggtgaatag taactgtcat gttgaatgtt ntatgactga aagtttagcag 420
 ttacatatta ttaaataatgc gtaatacggg aatagaggga tatgtgtgta tcggtttcta 480
 gt 482

<210> 2304
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 2304

agcttatgac aattgaaatt ctcgagagct tccgaatacg tgtgaaaagt tatgaccatt 60
 tgaaattttt gagagattcc gttgttcaat tttgagcgtc tcgatataat atgcgcctga 120
 atttgacttg cctgtgaaag gttatgacca tttgaatttc tcaagagctt ccgttattca 180

atttcgagct tctctatatg tgatgtgcct aaatcagaca tacgggttaa aagttatgac 240
catttgaatt tctcaaaagc ttcggtagtt caatttcgag catctcgatg tattatgcgc 300
ctgtatctga catccgtgta aaaagttatg accatttttag tttatcggga gcttccgctt 360
ttcaatattg agcgtctcta tatgtgatgc gctgaatcg gacatccgag ttaaattgta 420
ttac 424

<210> 2305
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2305

tgtttcgaaa ccaccattg gttctgatag gcttgtgaga ggcattgtta gggactaaat 60
cccacacttc attcctttta aaatgaatta attcatcgtg catagccaac aaccaatgct 120
catcatgaaa tgcttcatat atggttctag gttcaatctg agaaacaaaa gttgtgttca 180
agatccttaa ccttggtttc atcttcaagt gcagcttgcg tctcctaaaa acctgcttct 240
tcattttcca aagcattttc ttgaacaaaa gagccagttt cctcacgaat aatattttta 300
ggttcttcca cacacaaagt tctctatta agcactctat aagccttgcg ttgtaatgaa 360
taaccaagaa agattgctca tcagttttgc atcanattan aaagagatcc ttttcattat 420
taaatacaaca ttacatcaa accctaaatg gatatatggg ttcttcat 468

<210> 2306
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2306

tctatagaag gttcgttcct aatatctcta caattgcac acccttcaat gagctggtga 60
agaagaatgt ggcatttacc tgcggtgaaa aacaagagca agcctttgct ctgctcaaag 120
acaagcttac taatgcacct gttctagctc ttcttgactg ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccttattg 240
cttatttttag tgaaaaactt catagtgcc aacctcaacta cccacctat cataaagagc 300

tgtatgcctt aataagagcc ctgcaaactt gggaacatta ccttgtttcc aaggaattng 360
 tcattcatag tgatcatcaa tcaactaagt acattagagg gcaaagcaag ttaaacaaga 420
 ggcatgcaaa atgggtagag tacctagagc aatttcata tgttatcaaa tac 473

<210> 2307
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2307

agcttcattc ctttttcaact catgtgtcca agtctttgat gccacatggt tgaattattg 60
 acagcctcag taactcctac catatcctca tctgcaatca tgtaaagaga tctctgcttc 120
 tttccacgag ccacaatgag attgcctttt gttaccttcc aagctccatc tccataagtg 180
 gtgtgatgcc cttcattatc caactgccct atggatatta agtttctctt taaggtagga 240
 atatgtctga cattgtgcaa tgtccatagg gatccaccag aggtctttat gtcaatatca 300
 cctcttccga taatgtccag agattntcca tctgcaaggt aaactttccc aaatcttcca 360
 aaatatagtt agacaataaa tctttagaag gagttgtgtg gaacgacgca cctgagtcca 420
 tgatccatga atcaacagga cta 443

<210> 2308
 <211> 238
 <212> DNA
 <213> Glycine max
 <400> 2308

tgtaatcgat tacccttctg gaactttccg agatggctcc caagagtccc tactgtatat 60
 attgtattat gtatggcctc cctggctttt caatatatta ccagacatgc aagttccaag 120
 ttcaagtctg atgagtcaca actttttata tactagtgtg gtgatccgat tcaaccatta 180
 tgtaatcgat taccatttgc gaatgttcca taatagctcc cgagagtcca cctattca 238

<210> 2309
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 2309

ggaaccttga tngaatttcc atccaatggt ggagaaaggt tcttgtgtaa agtatagatg 60
tcaaagaggg ttaaagaaat gttaatctta taaaatatga tcttgtaaac aataaaagat 120
tattacttac tttttgctaa cattttcggg agtagttatc gctatgttca aagtaagcat 180
tgttttttta tattgattac tagtgagagt ttccatgatt ntcttattat tgttggaagt 240
aatcattgat aanaatgttt aagaaggaaa aaaattatat aaaaagtatg caaaatacta 300
gaaaggaata atttcatgtg aaaaagtgat tttgatattt ataatgggtt tgaagtaatt 360
aactaacaaa aatagacact ccagtaataa taacataacg ttcatgtatc tttntctcta 420
gctaacttaa tttggatata acataacggt cttaataaac annatatnga catcattgac 480
tttgagaaaa aacaca 496

<210> 2310

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2310

agctnggctg tcttcctatt catccatcaa catgtagaat gcttattctt tccatattga 60
tgatatgtct tgatccagct ttaactcttg cttgtgcatt cgagtttaat gatccatttg 120
tgcatcccat tttacctgat gaaaagaaga gagcttcagc tgctagatct gagcttggtt 180
ctttgtatgg gggttgtggt gaccagtttg ctatagtagc agcatttgaa tgctggcata 240
attcanagga aatgggtcta gaatcacggt tttgttctca gtactttggt tctcaaagca 300
ttatgaacaa gttatctgga atgcgtaaga atttagcagc agaactatat cagaatgggc 360
ttattcatgg gcagtttaca agc 383

<210> 2311

<211> 409

<212> DNA

<213> Glycine max

<400> 2311

tcgattacta gaagttttta cgtttttaac aacctttaga aatttgaatt taaattttaa 60
agcctgtaat tgattacaac ttgtgtgtaa ttgattacca acatgagaat tcaaatttca 120

agtctgaaga gtcacaactc ttcagaaatt aactgtgtaa tccattacaa cagttatgta 180
 atcgattacc aataaggaat tttcgaaaat aactcccaag agtcacaact gttcaaattt 240
 tttttgaatg gtcataatg gcctataaat caattaccag acatgaaaat tcaaatttca 300
 agtctgaaga gtcacaactc tttagaaact aattgtgtaa tgcattacaa caattatgta 360
 atcgattacc agtaaggaat tttcgaaaat aactcccaag agtcacaac 409

<210> 2312
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2312

tgtagcagan tagaactaca ataactnttc actcggaagt ccgattgagt cccgtaatat 60
 atcgagacgc tcgaaattta aaaccgaagc cagtagcaaa ttcgaacgac aataacaatt 120
 cactcggaag tccgattgag tcccgtata tctcgagacg ctcgaaattt aaaaccgaag 180
 ctctagcaa attcgaacga caataacaat tcaactcgga gtccgattga gtcccgtaat 240
 atattgagac gctcgaaatt ttaaagcgaa gctcgtagca aattcgaacg acaataacat 300
 ttcactcgga agtgcgaatg agtcccgtaa tatatcgaga cgctcgaaat ttataaccga 360
 agcctctagc aaattcgaac gacaataaca tttcactcgg aag 403

<210> 2313
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2313

agcttcggtt ntaaatttcg agcgtctcga tattttactg gactcaatcg gacttccgag 60
 tgaaatgtta ttgtcgtag aattagctac gagcttcggt tttaaatttc gagcgtctcg 120
 atatatttcg ggactcaatc ggacttccga gagaaaagtt attgtcgtag gaattagctg 180
 cgagcttggg ttttaaattt tgagcgtctc gatataattac gggactcaat cagacttctt 240
 agtgaaaagt tattgttgat cgaatttgct acgagcttcg atttgggaatt tcgagcgtct 300
 cgatatatta cgggactcaa taggacttcc gagtgaaatg ttattgtcgt tcgaatttgc 360

tacgagcttc gggtttaaaa tttgagcgtc accatatatt acgggactca atcggacttc 420
cgagtgaat gttatt 436

<210> 2314
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2314

acaatgggtt taaaatgtgg ctcatataact tggaatccct atccgacaca atgctcctag 60
gaaatccatg aagagtcact acctctttga ataaaagata caccacatga caagaatcat 120
ccnctttgtg acatggaatg aagtgtgcca tcttagaaaa cctatcaaca accacaaaaa 180
tcgaatcttt ctctcttgg accttggaag accaagtaca aaatccatgg aaatgtcggt 240
ccaaggggag gtaggaattg gaaatagagt atacaaacca tgatgcatga ctntagactt 300
tgcgttatga acaaaanttg ataatatcat gtttcattnt aggccaaaag aaatgttcat 360
gcaaaatgtt caaagtcttt taaactccan aatgtcctgg ttaacccctt ttatgagctt 420
cacanatcat gattcatga naggaacttt gaggcaacac aatcttttat ttt 473

<210> 2315
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2315

acattgagat gctataaatt gagatatgga agttcttgag agattcaatt ggtcataact 60
tttcactcgg atgtcagatt caagagcaaa atatacagag acgctcgaaa ttgaacaacg 120
gatgctctct agaaatntaa atggtaaaat tttttcacat ggatgttata ttcagacaca 180
taatatatcg agacgttcga aattcaagaa ttcaaaaatt aaagttctca agaaatatag 240
agatgaaaaa ttatgaccat ggggtgtacga ttgagacca tgatatatcg atatgctcaa 300
aattcaaaaa ttggtccaat tcanaaatc aaagagccct aactntngac atgggtgtac 360
gatngaggcc catgaaatat cgagaacgct cgtaatgaaa aattgaagtt cttgagaaat 420
tcanatagtc ataacattta actt 444

<210> 2316
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2316

agc n t t a t g a g a g a g t c a a a g a t c a a a t g g a g a g g a a a a t t a t a a c t a t g c t a a a c a a g 60
 c c a a c a a a g g g a g a a a g a g g t t g t c t t c g a a c c c g g a g a t t g g g t t t g g g t g c a c a t g a 120
 g a a a g a a a g g t t t c c g g a a c a a g g a a a t c a a a g c t t c a a c c a a g g g g a g a t g g a c c a t 180
 t t c a a g t g c t t g a a a g a a t c a a t g a c a a t g c t t a c a a a g t t g a g c t g c c c g g t g a g t a t a 240
 a t g t t a g t t c c a c c t t c a a t g t c t c t g a t t t a c c t c t t t t t g a t g c a g a t g g a g a a t t c g 300
 a t t t g a g g a c a a a t c t t c t c a t g a g g g a g a g a a t g a t g a g g a c a t g a c c a a g a g c a a g g 360
 g c a a g g a t c c a c t t g a a g g a c t t g g a g g a c c t a t t g a c a 399

<210> 2317
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2317

a t g c c t a c a a a t g a g g a a a t c c a t c a n a c t a t c a a g t t t a t g g t g a g t c t c a c a g c a c c a 60
 a c a c t g g a t g g g t t t c a t g t n t t g t t c t t c g a a c a t c a t t g g a g t g t a a t g g g g a g a g a t 120
 g t c t a c a a t t t c a c t a g a g c t t t c t t t t a g g a t c c a a c a a a a a t t g c t g a a g t g a a c c a a 180
 a c t t t t t t a a c t c t g a t t c t g a a g a a t g t g a g g t c a a t t c t a t t a a a g a t a t c a g a c c t 240
 c t t a g a c t t t g t a a t g t g a t t a t g a a g c t a t g a c t c g t c t t a t c t c t c a a c g c t t g a g a 300
 c c a a t g a t g g t g a a a t t a g t g g g t c a t t t c c a a t c a g c c t t a c c c c a a 349

<210> 2318
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 2318

t c t g t c c c t g a g a a a c t g g t t c c c a g a a g a c a a c a t g g a g t g t a g a t t g c t g t a a a c c c t 60

agccttgcaa caagttctag ggaagtagac acggagatgg acaagaaaat ccgcagtatg 120
 gtgagtagca ttttgaaaga agcctctgtg cctgaagctg atgaagatgt tccaacatct 180
 tccaccccgga atgtttctat gctgatggt gagaaagatg tccaacatc tccggccca 240
 aatgatgaag tactctcttc ctccagcaaa gagagatcaa cagaggaaga tgatcaagcc 300
 gcagaggaga ccctgcacc aagggcacca gaacctgctc caggtgacct cattgactta 360
 gaagaagtcg aatctgatga agaaccatt gccaacaggt tggcacct 408

<210> 2319
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2319

atgttctgtt atcacgtaa cattaaattc aatgttaatt ataaccctat caaccattta 60
 aagctagtat atctcatcat caggaatata tggngttagg aatttcctgg gatctttact 120
 tattttctca tagtttaggg ttgatttcac cttttctggc actggcatga gaggaataat 180
 gctatctcta tcgattacac catcaataat tccgtattcc actgcttcaa ttggagacat 240
 atatttatcc ctatcaatat ctctttgcac ttgttcaaat gagcgccag tgaaacttga 300
 tataattctt gtgatattat tcttggtgtg cataacttct ttagcctgaa tttctacatc 360
 tatagcttgt ccactagcac ctccatagagg gtgatgaatc ataattcgt 409

<210> 2320
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2320

agctattncc atgggtcgag cggctttata atatattatg gaatgcaggc acaggcacca 60
 ctccatttga gataaccttc gggcggaagt cttttaattt tccagaatac attgcgggga 120
 ttgcaaaggt ggaagctatg gaagatatcc tatcagaaaag ggaggccacc ttctaggcaa 180
 ttcgaaagaa gctcttgaaa gctcaagaac gcatgaagac atatactgat atgaagcgcc 240
 gggagggtcaa ttatggctcc gatgactggg tcttgggtcaa gctccgacca tatcaataaa 300

catctgctaa aggaacacag gccattacag gcaaattggt gaagaggtat tactggccat 360
 tccaaattaa agagaggata agcccagtgg cataccgctt acaattgccg aacggagcgc 420
 gaaatcacc tgt 433

<210> 2321
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2321

tacctcgaca ccaacagtga caatggcagc gagagtggca gtgagaaaga agagtcgcan 60
 aaggaaccaa taatattaag gtgtggaatt gcgagactgg cagtgacaat ggcagcgaga 120
 tgcggaggca cggagttgcg atgaagacga tgacgcgggc gacactagag ttgcggcaga 180
 gacttgaatg aattagggcg tggagccaat aatattttta aaaattgagt cggttaacatc 240
 ggttttttcca tcaaaaccga tgtaacaaa gtgatgttta cggttaacatc ggtnnttttt 300
 ataaaaaaaa aattgatgtt aacttataat ttaccaacat cggtnntttc aaaataccga 360
 tgtaaggaa gtgatgttaa ccttaacatc gattntntaa gaaaatcgat gttaacttat 420
 cattntccaa catcggannt ttgaaaacgg acgttgcgtn tcatgtaaca tcggttctca 480
 aaaccgatgt aacctactat 500

<210> 2322
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2322

gacactatga aactaagcct atctagttat aatggattca ctggaggaat agtggacact 60
 acactattca naaagggcta gaaaggaaan ttgttgattg ttcaaactta ttagatgac 120
 ataattcttg gtgcaacctt agaaaagatg tgcaaagagt tttctgggct aatgaaagg 180
 gaatttgaaa tgagtatgat gggtagtga aagttcttgc tagggcttga aatcattcag 240
 aaagatatga tggatattta tccttcaaga aaaatacaca aaggacatac ttaagatgtt 300
 caaaagggat gaagccaaac ctatggctat tcctatgtat cttctctag tcattgataa 360

ggatgaaaga ggtaatgata ctcgtaaaaa gataactgct agtagaccag atattgtatt 420
 421

t

<210> 2323
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2323

tttaaattta tgatttaatt nnttttgagg tggagttgat attgagaagg aggaantaan 60
 agatttgagg gtaaattntt tttaagggga agaaaatgat gnaatntttt ntaggaaggg 120
 annagtnatt agaagtatga gnaagagggg ttaagagaat tgggttagag ntgntgaaaa 180
 aggggtagg gtttttatga anntnaagat agatttttga gnnnatggan naatggtggg 240
 ttnaattatt tttgtanata ttaaantagg atggtattat atttggtntt tgtatttagg 300
 gttnnataat 310

<210> 2324
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2324

atcaaatttt atcttatcca gattgtattc catccagact ttattccgtc tagattttat 60
 ttcgctccaga ttntatttta tccatcttat cttatcttgt ccagatttta ttttatttcg 120
 tttatgggct tggacttaaa atagatttgt aagctntgtg gctaagaacc tcatccatac 180
 attttttaat agtatgctct ctttattttc ttttgatata ctttgtgttt taacgacttg 240
 aattcaatat gaatttggtt atcaattatt tgtggagttg tacattactt atatgaaatt 300
 ttataagttt attgttttag ttagatttca ctacgttcta aaat 344

<210> 2325
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 2325

agcttccatt gttcaatttc gagtgtctcg atatattatg cgcttgaatc ggacctccga 60
atgaaaagtt atgaccattt gaatttctcg agagctacct ttgttcaatt tcgagcgtct 120
cgatatatta tgcgcctgaa tcggacctcc gagtgaaaag ttatgaccat ttgaatttct 180
cgagagcttc cgatgttcaa tttcgagcgt cttgatatac tatgcgactg aatctgacct 240
ccgtgcgaaa agttatgacc attttaattt ctcaagagct tccgttggtc aatttcgagc 300
gtctctatat gtgatgcgcc tgaatcagac ctccgagtga aaagttatga ccatttgaat 360
ttctcgagag cttccgttgt tcacatttga gcgtctcgat atattatgcg cctgaatctg 420
acatccgagt gaaaagntat gaccatttga att 453

<210> 2326

<211> 225

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2326

ntagttgaca gatatgttaa ccaagggact tcccacggag tatcttcaag aaccttattg 60
caagctgtga atgatagata tgcattcacc agcttgaggg ggagtgttgt gatacatccc 120
ataattaaca cagattntat tatgtacaga ttctattcca ttgtatttct ttccttaatt 180
aggttgcttg cagcatataa ataaatcttg tattcacttc tttgt 225

<210> 2327

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2327

tgcgaggctg caagtgtagc atatatgcac aacagcctca ccgtagaaat cccacgtgag 60
agtgaaaact caacagctat gagaatgttg tctctctacg acaacattgc tagaagacat 120
gttcccccca aactgggaca gttctctgcg atgggtggtc ttgatttgtc ggagaacaag 180
aatagtggac cgctgccaac cgatgccagc aaggggacgta cactctagga cttggctcgt 240
cttgataaca tgttttctgg cgagatacca cacagttatg cgaactgcat ggtgctgtcg 300

aagtacaaag tgatctgcaa ccgtatggag ggggccattc ccgctggact catcagggttg 360
 tgacacgata caatcattga tttagtagc aacaactnta ccggccggc tctgagatt 420
 aacggacatt ctagaaaatt atctgagct 449

<210> 2328
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 2328
 agcttacatc taggaaaaca ctggcttaga atgatgtgct tcatgttccc tctatcaaag 60
 ttaaccttat ttctgtagca ttgtggggag aggttggggg aaagatatcc tttagtcta 120
 ataagatagt tatgactaat aataatgtat ttatggggaa gagatattgt gatcaggggtg 180
 tctttgtact caatgtttct gaagtgatta atgagaatgc atcttcttat gcttacttga 240
 ttgattctta tgatatatgg catgctagat taggacatgt taatccaact tatgttatga 300
 aattgcaaca atcatgttta attaatatgc atgagaaaaca cagtaagaaa tgttaaatat 360
 ttgttgaatc aaaattaact aagaaatcat gtccttctgt acaacatgaa attgaactgc 420
 taggcttaat tcattatgat cttgcatatt taaaac 456

<210> 2329
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2329

tgacagacatg ggacatcgta tagtatatat gattcacgat cttgggacag acggttttca 60
 acaagcacat gcacccttgt atgacaaaat acaaagtcac tcaaagaagt ctgtgtattc 120
 gaggtgcaca tctttcacat agttgtcagc ggtgttaagt ctggccaact tgaaggcatg 180
 atttgcattg agtgacaaga gcttcatcaa attgtttgtg ttattgaana gcatgctttc 240
 tgaggataac acattgccga ggaatcacta tgaggcatag aagattgtat gttccgtggg 300
 aatgcagtac cagataatct atgcatgcc taatgattgt agtttgtaca taaatgattn 360
 tgtagagatg cgtacatgtc ccat 384